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United States
Department of
Agriculture

Marketing and
Regulatory
Programs

Agricultural
Marketing
Service

Livestock and Seed
Program

Items of Interest in Seed Control

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Spring 1998

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Seed Regulatory and Testing Branch
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SUBMITTING TREATED SEED

When submitting samples of treated seed for testing, please observe the following precautions:

- Seed sample should be in a non-porous container.
- Container should be marked with the word "Treated" or with the name of the treatment.
- Paperwork should include a copy of the treatment label or indicate the name(s) of the treatment as labeled.

This will enable our staff to handle the treated sample safely.

Occasionally we also receive a cereal grain, such as rye, with the distinct odor of insecticide. Because the sample is not dyed or labeled as treated, we presume that the submitting laboratory has added this to prevent further damage by grain weevils. When this is the case, we would like to know so that the sample can be handled appropriately by our staff.

UNSPECIFIED SEED TREATMENTS

We recently received a seed treatment label that read, in part, "Danger: Treated with one or more of the following: Captan, Maxim, Apron, Nu-Gro, and Lorsban at Manufacturers recommended rate. Do not use for Food, Feed, or Oil Purposes." That is unacceptable labeling under the Federal Seed Act (FSA). We do allow menu labeling if the specific seed treatment is shown, for instance, by checking or x-ing a block by the treatment name.

The FSA and its regulations require that treated seed be labeled to show the commonly accepted coined, chemical (generic), or an abbreviated chemical name of a treatment substance. Giving a list of treatments that might have been applied to the seed, but not clearly showing which one, does not comply with that requirement. Maxim, Apron, Nu-Gro, and Lorsban are proprietary names (brand names or trademarks) and may be shown only in addition to the commonly accepted coined, chemical, or abbreviated chemical names.

One of the purposes for clearly and precisely labeling seed treatments is safety considerations. If the specific treatment is not shown and an adverse reaction occurs to persons handling the seed, to livestock, or to the environment, then failure to label the treatment would delay corrective action.

PLANT VARIETY PROTECTION LABELING FOR NEWLY DEVELOPED VARIETIES

We recently had a question about Plant Variety Protection (PVP) labeling on a newly developed variety. Can a PVP statement be put on a newly developed variety before an application for protection is made to the PVP Office? Yes, we learned from the PVP Office. They confirmed that a statement such as "Unauthorized Seed Multiplication Prohibited - Plant Variety Protection Contemplated" could be used before application is made. This statement could not be used for more than one year because a variety can only be marketed for one year before the application for protection is made. After application is made and the PVP Office has acknowledged receipt of the application, a statement such as "Unauthorized Seed Multiplication Prohibited - U.S. Plant Variety Protection Applied For" can be used. The statement "PVP-94" should follow the "U.S. Plant Variety Protection Applied For" statement, if application is made under the PVP Act of 1994.

ASCONES MEETING

Seed Regulatory and Testing Branch (SRTB) Chief Jim Triplitt, Assistant Chief Richard Payne, and Seed Marketing Specialist Don Dreyer attended a meeting of the Association of Seed Control Officials of the Northeastern States (ASCONES) in Hagerstown, Maryland, on March 25, 1998.

Fourteen seed control and laboratory officials from DE, MD, NJ, PA, and WV attended. Dr. John Baylor, Executive Director of The Atlantic Seedsmen's Association (ASA), also attended. Each organization reported on its activities. A wide range of topics was also discussed. Dr. Baylor discussed the longtime working relationship between ASCONES and ASA and the need for good communications between the seed industry and seed regulators. The group discussed relabeling of carry-over certified seed including how best to handle "one-tag" (where analysis and certification agency information is on one label) certification situations. Dr. Payne of the SRTB gave presentations about testing methods for transgenic, herbicide-ready crops, and about the work of an Association of Official Seed Analysts seed count subcommittee that he chairs. He also discussed his activities with the International Seed Testing Association (ISTA) and the upcoming ISTA meeting that will be held in Africa in April. ASCONES President Joe Garvey (PA) updated the group on the efforts being made to insure undesirable grass seeds are correctly shown on lawn seed labels. Floyd Yoder and John Kegg (NJ) initiated a group discussion of how the states handle penalty actions; how they determine their fees, fines, and laboratory costs; and their position on test date versus sell by date labeling. Marjorie McCutcheon and Joyce Cochran (WV) discussed the newly amended West Virginia seed law. Both WV and NJ now have undesirable grass seed regulation as part of their laws. Malcolm Sarna (MD) led a discussion of brand labeling. The group also discussed seed treatments, treatment definitions, and what constitutes a seed treatment.

UNDESIRABLE GRASS SEED

A provision of the FSA involves enforcement of the noxious-weed seed law of each State. Some States define undesirable grass seeds as noxious-weed seeds in lawn and turf seed products. Therefore, undesirable grass seeds are enforced as noxious-weed seeds under the FSA.

As the name states, undesirable grass seeds are grass seeds that, for whatever reason, are undesirable in a particular use. An example might be that one does not want orchardgrass in a lawn that is a turf-type perennial ryegrass and red fescue mixture. In other words, for this particular usage orchardgrass is undesirable.

Undesirable grass seed testing and labeling seem to be misunderstood. Often, seed laboratories do not test for undesirable grass seeds as part of an all-states noxious-weed seed examination. When an "*all-states'* noxious" examination is done, undesirable grass seeds are noxious-weed seeds and should be shown as such. If undesirable grass seeds are not included in the all-states noxious-weed examination, the test report should make it **absolutely clear** that the sample was not tested for undesirable grass seeds. Whether this is accomplished by giving the test another title or by some other means must be decided by the laboratories and their clients. As the situation currently exists, some seed companies are interpreting an all-states noxious examination as always having been tested for undesirable grass seeds. Conversely, small notations that say the seed was not tested for undesirable grass seeds are being overlooked and seed is being shipped into States that do

regulate undesirable grass seeds. Both of these scenarios pose the potential for serious problems.

Another issue that arises is that seed kinds that are undesirable grass seeds are shown under the other crop seed section of a seed test rather than as a noxious-weed seed. Since they are grass seeds, many seed people tend not to think of undesirable grass seed in terms of being a noxious-weed seed. If a test shows undesirable grass seeds in the other crop seed section and you are going to label and ship the seed to a State that enforces undesirable grass seed, the undesirable grass seeds should be labeled as noxious-weed seeds.

A SEED SOAK PROCEDURE FOR TESTING SOYBEANS TOLERANT TO ROUNDUP™ (GLYPHOSATE)

In the Fall 1996 issue of Items of Interest in Seed Control, we summarized a testing procedure that the Testing Section of the SRTB developed to test soybean varieties for resistance to glyphosate herbicides. The SRTB has evaluated an alternative procedure developed by the Arkansas State Plant Board Seed Laboratory that shortens the duration of the test. The procedure we used for conducting this test is described below:

Seed Imbibition

Moisten germination towels with water as you would for use in a soybean germination test. We found it convenient to use 16 by 12 inch towels (regular weight). Place 2 layers of towels on a flat surface and plant 25 seeds. Cover the seeds with two additional germination towels and roll or fold the towels as for a germination test. Four sets of towels are bound together with rubber bands and each set of 4 towels is placed upright in an 8 by 14 inch plastic bag. The sets of towels are placed in an approximately 25°C germinator for 18 to 20 hours to initiate imbibition (swelling and softening of seeds). Light intensity is not a critical factor, but the length of the imbibition period may affect the test results among various seed lots.

Seed Soak

Examine the imbibed seeds and discard any hard, moldy, or broken seeds before placing (gently) 50 seeds in a 100 mm petri dish. Immediately add about 25 ml of 1,000 ppm glyphosate solution to each dish. This amount should nearly cover the seeds. We have completed tests with both a powdered technical product of highest purity from the manufacturer and with a commercial liquid formulation containing 0.96 percent active ingredient. A 1.0 percent active ingredient is equal to 10,000 ppm. We used 100 ml of the liquid Roundup™ plus 900 ml of water. A 100 percent active ingredient is diluted to 1,000 ppm by using 1g per liter. (The concentration may depend on the glyphosate formulation available. Higher concentrations--up to 3600 ppm--have been suggested when using other formulations.) Allow the imbibed seeds to soak for at least 1 hour at room temperature. Include a water soak to compare to the test sample.

Replanting

Drain most of the solution from the petri dishes, and using protective gloves, replant the seeds, 25 seeds per towel (same towels as used for imbibing). The seeds should be placed about 1 or 2 inches from the top edge of the towels. Return the planted seeds (4 sets of rolled towels per plastic bag) to a 25°C germinator. Make observations on the fourth day after the soak treatment.

Evaluation

Susceptible seedlings are identified by a significantly shortened primary root without the development of secondary roots. Tolerant seedlings should show almost no effect of the seed soak and have long primary roots with many secondary roots.

We are currently evaluating a similar test for corn varieties that are resistant to the herbicide Liberty™. Look for that report in our next issue of Items of Interest in Seed Control.

RYEGRASS FLUORESCENCE LIST

Since our last listing of the National Grass Variety Review Board (NGVRB) ryegrass fluorescence list, the NGVRB has made several changes and additions. The most recent information is from the February 28, 1998, NGVRB list. Perennial ryegrass varieties and experimental designations Archer, A7 White, Charger II, Mardi Gras, Pearl, Saturn II, Sonata, Vivid, and WVPB have been added. Additionally, C-21, Catalina, Headstart, Palmer III, and Prelude III are now variety names and no longer listed as experimental designations.

| <u>Perennial Ryegrass Variety Name</u> | <u>Percent Varietal Fluorescence</u> | <u>Perennial Ryegrass Variety Name</u> | <u>Percent Varietal Fluorescence</u> | <u>Perennial Ryegrass Variety Name</u> | <u>Percent Varietal Fluorescence</u> |
|--|--------------------------------------|--|--------------------------------------|---|--------------------------------------|
| 246 | 0.27% | Fiesta II | 1.14% | Reveille | 2.00% |
| 2CB | 1.97% | Gator | 0.88% | Riviera II | 1.08% |
| 856 | 0.87% | Gettysburg | 2.74% | Riviera | 0.58% |
| 89-90 | 2.15% | Greenland | 1.20% | Roadrunner | 2.53% |
| 90-14 ¹ | 7.12% | Grimalda | 2.00% | Rodeo II | 2.47% |
| A7 White ¹ | 2.19% | Headstart | 2.09% | Saturn II | 0.85% |
| Academy | 2.33% | Imagine | 1.31% | Seville | 0.33% |
| Accent | 0.56% | ISI-R2 (R2) ¹ | 1.25% | Sherwood | 1.08% |
| Accolade | 4.83% | ISI-RUPR (Gator II) ¹ | 2.50% | Shining Star | 0.10% |
| Accord | 4.08% | Koos 90-2 ¹ | 3.85% | Sonata | 1.20% |
| Achiever | 0.93% | Laredo ¹ | 0.53% | SR 4100 | 0.37% |
| Advent | 0.14% | Legacy | 0.37% | SR 4200 | 0.34% |
| Affinity | 0.77% | Lindsay | 1.72% | Stallion Select | 2.37% |
| Agresso | 2.00% | Line Drive | 2.72% | Stardance | 1.90% |
| All Star | 0.47% | Linn | 5.00% | Statesman II | 3.10% |
| Allaire II | 1.15% | Lowgrow | 1.31% | Statesman | 1.27% |
| APM | 0.59% | LRF-94-B7E ¹ | 0.65% | Target | 3.28% |
| Aquarius | 0.97% | LRF-94-C7 ¹ | 0.80% | Tonga | 11.53% |
| Archer | 1.51% | LRF-94-C8 ¹ | 0.64% | Top Hat | 0.77% |
| Assure | 0.72% | Lynx | 4.19% | Topeka | 2.34% |
| Bedford | 1.40% | Magic | 1.21% | Vantage | 2.19% |
| Blackhawk | 1.17% | Majesty | 1.59% | Vivid | 1.24% |
| Blazer III | 1.18% | Manhattan 3 | 0.88% | Wind Star | 0.47% |
| Boardwalk | 2.72% | Manhattan II | 0.65% | Wizard | 2.57% |
| Breeze | 1.57% | Mardi Gras | 1.07% | WVPB ¹ | 3.84% |
| Brightstar | 1.79% | Morningstar | 0.87% | Yorktown III | 1.42% |
| Brightstar II | 2.24% | Mulligan | 1.86% | | |
| Buccaneer | 2.01% | Navajo | 0.37% | Annual Ryegrass | Percent Varietal Fluorescence |
| C-21 | 6.28% | Newlinn | 5.85% | | |
| Caliente | 0.74% | NightHawk | 1.39% | | |
| Calypso | 1.29% | Nobility | 3.26% | | |
| Calypso II | 0.47% | Nomad | 1.03% | Florida 80 | 98.89% |
| Catalina | 3.18% | Nova | 1.00% | Grazer | 99.78% |
| Cathedral | 0.85% | Omega 3 | 0.73% | Gulf | 99.02% |
| Chaparral | 1.62% | Omni | 0.51% | Jackson | 98.80% |
| Charger II | 0.54% | Pageant | 2.22% | Magnolia | * |
| Charisma | 2.39% | Palmer II | 1.51% | Marshall | 96.00% |
| Chatham ¹ | 2.11% | Palmer III | 0.23% | Rio ¹ | 98.97% |
| Citation III | 0.96% | Palmer | 1.04% | Surrey | 98.91% |
| Commander | 1.02% | Passport | 1.06% | TAM 90 | 98.45% |
| Cutter | 1.65% | Patriot II | 0.42% | | |
| Dancer | 0.78% | Pearl | 1.86% | ¹ Experimental Designation and/or Variety | |
| Dandy | 2.00% | Pegasus ¹ | 2.41% | | |
| Delaware Dwarf | 0.61% | Pennant II | 1.63% | | |
| Derby Supreme | 2.85% | Pennant | 0.50% | * Exempt from varietal fluorescence testing calculations. | |
| Dillon | 4.14% | Pick PR 15-91 (Jiffie) ¹ | 6.06% | | |
| Divine | 3.09% | Pleasure | 1.42% | | |
| Edge | 1.73% | PR8820 | 0.79% | | |
| Elegance | 1.51% | Prelude III | 0.59% | | |
| Elf | 0.75% | Prelude II | 2.25% | | |
| Elite | 4.84% | Prelude | 1.72% | | |
| Envy | 0.22% | Prizm | 0.71% | | |
| Equal | 1.98% | Quickstart | 0.18% | | |
| Evening Shade | 1.17% | Regency | 0.99% | | |
| Excel | 1.53% | Repell II | 1.56% | | |
| Express | 1.00% | Repell | 0.33% | | |

FEDERAL SEED ACT CASES SETTLED

The following cases were settled administratively under the FSA between January 1 and March 31, 1998. Under the administrative settlement procedure, the SRTB and the firms agreed to settle the cases for the amount specified with the firms neither admitting nor denying the charges:

- Barenbrug USA, Tangent, OR, has paid \$3,600 for a case involving 9 shipments of seed. The alleged violations, while not the same for all shipments, were false labeling as to purity, as to being a single seed kind, as to the rate of occurrence of a noxious-weed seed, as to variety name, and as to the germination percentage of a seed component in a mixture; and failure to label required information for a mixture component, to show the presence of a noxious-weed seed, and to test for germination within the prescribed time prior to interstate shipment. Seed regulatory officials in Arizona, Kentucky, Maryland, and Texas cooperated in the initial sampling and inspection
- Dorsing Seeds, Inc., Nyssa, OR, has paid \$900 for a case involving 2 shipments of seed. The alleged violations, while not the same for both shipments, were false labeling as to variety name, failure to show required labeling for a varietal mixture, and failure to keep required records. Seed regulatory officials in Maryland and North Carolina cooperated in the initial sampling and inspection.
- Medalist America, Albany, OR, has paid \$2,400 for a case involving 6 shipments of seed. The alleged violations, while not the same for all shipments, were false labeling of noxious-weed seeds, false labeling of purity, failure to label the presence of noxious-weed seeds, failure to keep required records, and failure to show the shipper's code or name and address. Seed regulatory officials in Maryland and Virginia cooperated in the initial sampling and inspection.
- Royal Seeds, Salem, OR, has paid \$600 for a case involving 2 shipments of seed. The alleged violations, while not the same for both shipments, were failure to label the presence of a noxious-weed seed and false pure seed labeling. Seed regulatory officials in Maryland cooperated in the initial sampling and inspection.
- Western Hybrid Seeds, Inc., Hamilton City, CA, has paid \$1,000 for a case involving 5 shipments of seed. The alleged violations, while not the same for all shipments, were false variety and germination labeling. Seed regulatory officials in Texas and Virginia cooperated in the initial sampling and inspection.

List of
Plant Variety Protection
Certificates

**PLANT VARIETY PROTECTION CERTIFICATES
(through April 13, 1998)**

(Through April 13, 1998)

APPLECTANT
TITLE V
(GEN.)
1994
PVPA

| TITLE (GEN.) | V | 1994 PVPA | KIND VARIETY |
|-----------------|---|--------------|-----------------|
|-----------------|---|--------------|-----------------|

APPLICANT

KIND VARIETY

| | | | |
|---------|-------------------------------------|--|-----|
| ALFALFA | Pioneer Hi-Bred International, Inc. | Answer Apollo II | Y |
| | Pioneer Hi-Bred International, Inc. | Arrow Arroyo | Y |
| | Atlas | Arroyo | |
| | Baron Capital | Hi-Bred | |
| | Pioneer Hi-Bred International, Inc. | International, Inc. | |
| | Pioneer Hi-Bred International, Inc. | W-L Research, Inc. | |
| | Chief Cimarron | Great Plains Research Company, Inc. | Y |
| | Cimarron | Thaddeus H. Busbice | |
| | 5311 | Northrup King Company | |
| | 5312 | University of Georgia Research Foundation, Inc. | |
| ALFALFA | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Plant Genetics, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | |
| | Pioneer Hi-Bred International, Inc. | W-L Research, Inc. | |
| | 5331 | Great Plains Research Company, Inc. | Y |
| | 5333 | Thaddeus H. Busbice | |
| | 5334 | Northrup King Company | |
| ALFALFA | Pioneer Hi-Bred International, Inc. | University of Georgia Research Foundation, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Plant Genetics, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Agripro Seeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | Dart Diamond Endure Expo Flint Granada GT-13R Plus Hasawi + Forage Seeds International | Y |
| | 5432 | FFR Cooperative Vista Research | |
| | 5444 | Dairyland Seed Company, Inc. | Y |
| ALFALFA | Pioneer Hi-Bred International, Inc. | Dairyland Seed Company, Inc. | Y |
| | Pioneer Hi-Bred International, Inc. | Maverick Mohawk | Y |
| | Pioneer Hi-Bred International, Inc. | Cornell University Agricultural Experiment Station | |
| | Pioneer Hi-Bred International, Inc. | Northrup King Company | Y |
| | Pioneer Hi-Bred International, Inc. | Minnesota Agricultural Experiment Station and USDA-ARS | |
| | Pioneer Hi-Bred International, Inc. | Olympic AgriSeeds, Inc. | |
| | Pioneer Hi-Bred International, Inc. | United AgriSeeds, Inc. | Y |
| | 5715 | W-L Research, Inc. | (*) |
| | 5888 | Advantage Alfagrazze | |
| | Allegiance Allstar | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVEA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVEA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVEA |
|----------------------|--------------------|-----------|---------------------------|--------------------------|-----------------|-----------|-----------------|------------------------|-----------------|-----------|
| ALFALFA | Oneida VR | Y (2) | Big Heart XR-1 | Big Heart Seed | 1994 | V PVPA | Emerald | Tom G. Kurupas Farming | 1994 | V PVPA |
| PRO-CUT | Rere | Y (2) | Imperial Star | The Regents of the | | | | Y (2) | | |
| | | | ASTER, CHINA | University of California | | | | Y (2) | | |
| Salute | Sapphire | Y (2) | Pot 'N Patio Violet | W. Atlee Burpee Company | | | | | | |
| Spredor 2 | Spredor 3 | Y (2) | Blue | | | | | | | |
| Sutter | SW 14 | Y (2) | BAHIAGRASS | | | | | | | |
| Thunder | Trident | Y (2) | Tifton 9 | USDA-ARS | | | | | | |
| Vector | Viking 1 | Y (2) | BARLEY | | | | | | | |
| Vortex | Voris A77 | Y (2) | Northrup King Company | | | | | | | |
| Webfoot | WL 225 | Y (2) | Agripro Seeds, Inc. | | | | | | | |
| | WL 252 HQ | Y (2) | Northrup King Company | | | | | | | |
| | WL 315 | Y (2) | Plant Genetics, Inc. | | | | | | | |
| | WL 316 | Y (2) | S&W Seed Company | | | | | | | |
| | WL 317 | Y (2) | Agripro Seeds, Inc. | | | | | | | |
| | WL 320 | Y (2) | Agripro Seeds, Inc. | | | | | | | |
| | WL 322 HQ | Y (2) | Plant Genetics, Inc. | | | | | | | |
| | WL 457 | Y (2) | Michigan State University | | | | | | | |
| | WL 516 | Y (2) | W-L Research, Inc. | | | | | | | |
| | WL 525 HQ | Y (2) | W-L Research, Inc. | | | | | | | |
| | WL 605 | Y (2) | W-L Research, Inc. | | | | | | | |
| | Wrangler | Y (2) | Nebraska Agricultural | | | | | | | |
| | | | Experiment Station and | | | | | | | |
| | | | USDA-ARS | | | | | | | |
| ALKALIGRASS, WEEPING | York | Y (2) | Plant Genetics, Inc. | | | | | | | |
| Fults | NK Lawn and Garden | Y (2) | Busch Agricultural | | | | | | | |
| | Company | Y (2) | Resources, Inc. | | | | | | | |
| | Lofts Seed, Inc. | Y (2) | Busch Agricultural | | | | | | | |
| | | | Resources, Inc. | | | | | | | |
| Salty | B3213 | Y (2) | Busch Agricultural | | | | | | | |
| ARTICHOKE | Y (2) | | Resources, Inc. | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE V (GEN.) | VARIETY PVPA | KIND VARIETY | TITLE V (GEN.) | VARIETY PVPA |
|-----------------|---|-----------------|-----------------|------------------------------|-----------------|
| BARLEY B4311 | Busch Agricultural Resources, Inc. | Idagold | BARLEY Y | Adolph Coors Brewing Company | Y (2) |
| B7098 | Busch Agricultural Resources, Inc. | Lindy | | Agripro Seeds, Inc. | Y (3) |
| Baronesse | Peterson Seed Company, Inc. | Logan | | NDSU Research Foundation | Y (3) |
| Bellona | Cebeco Zaden B.V. | Max | | World Wide Wheat L.L.C. | Y (3) |
| Birka | W. Weibull AB | Merlin | | Western Plant Breeders, Inc. | Y |
| Bounty | P. Thomas Wymore Agripro Seeds, Inc. | | | | |
| Bumper | Busch Agricultural Resources, Inc. | | | | |
| Callao | Virginia Agricultural Experiment Station | | | | |
| Camargue | sharper International Seeds Limited | | | | |
| Camelot | MMG Agriseed | | | | |
| Chilton | Wisconsin Agricultural Experiment Station | | | | |
| Chinook | Montana Agricultural Experiment Station | | | | |
| Chopper | Wisconsin Agricultural Experiment Station | | | | |
| Citation | Piston | | | | |
| Columbia | Poco | | | | |
| Corniche | Premier | | | | |
| Duel | Robust | | | | |
| Efron | Seeds Limited | | | | |
| Excel | Busch Agricultural Resources, Inc. | | | | |
| Falcon | Cebeco Zaden B.V. | | | | |
| Fiesta | Minnesota Agricultural Experiment Station | | | | |
| Galena | Alberta Agriculture Research Institute | | | | |
| | Western Plant Breeders, Inc. | | | | |
| | Adolph Coors Brewing Company | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994 KIND
(GEN.) PVPA VARIETY
APPLICANT

| KIND VARIETY | APPLICANT | TITLE V 1994 KIND (GEN.) PVPA VARIETY | APPLICANT |
|--------------------|--|--|--|
| BARLEY | | BEAN, FIELD Amber | Rogers Brothers Seed Company |
| Sunstar Double | Sunderman Breeding Inc. | Y (3) | Seminis Vegetable Seeds, Inc. |
| Sunstar Prince | Sunderman Breeding Inc. | Y (3) | |
| Tambar 500 | Texas Agricultural Experiment Station | Y (2) | Anchor |
| | Agripro Seeds, Inc. | | |
| Teton | Sharpes International Seed Ltd. | Y (3) | Rogers NK Seed Company |
| Triumph | Svalof AB | Y (3) | Seminis Vegetable Seeds, Inc. |
| Virtue | Utah Agricultural Experiment Station | Y (*) | Michigan State University Rogers Brothers Seed Company |
| Walker | Western Plant Breeders, Inc. | Y (*) | Y (2) |
| WestBred 501 | Western Plant Breeders, Inc. | Y (*) | Colorado State University Michigan State University Gen-Tec Seeds, Limited |
| WestBred Barcott | Western Plant Breeders, Inc. | Y (*) | Michigan Agricultural Experiment Station |
| WestBred Gustoe | Western Plant Breeders, Inc. | Y (*) | Rogers NK Seed Company |
| WestBred Medallion | Western Plant Breeders, Inc. | Y (*) | Michigan State University Rogers NK Seed Company Gentec, Inc. |
| WestBred Sprinter | Western Plant Breeders, Inc. | Y (*) | Y (2) |
| WestBred Waxbar | Western Plant Breeders, Inc. | Y (*) | Rogers NK Seed Company Rogers NK Seed Company |
| Westford | Western Plant Breeders, Inc. | Y (*) | Seminis Vegetable Seeds, Inc. |
| Winchester | Western Plant Breeders, Inc. | Y (*) | Wilbur-Ellis Company Rogers NK Seed Company Seminis Vegetable Seeds, Inc. |
| BASIL | W. Atlee Burpee Company Purdue Research Foundation | Y | Rogers Brothers Seed Company |
| Purple Ruffles | Felspar | | Leslie L. Dean |
| Sweet Dani | | | Rogers NK Seed Company |
| | | | Rogers NK Seed Company |
| BEAN, FIELD | Fiesta Pinto | Y (2) | Rogers Brothers Seed Company |
| Agassiz | Flint | | |
| Agate | Foxfire | | |
| | Garnet | | |
| Agri-I | Guardian | | |
| | Harris | | |
| Albion | National Seed Development Organization Ltd. | Y (3) | |
| Alpine | Horizon | | |
| | Michigan State University | Y (2) | Seminis Vegetable Seeds, Inc. |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | | |
|----------------------|--|--------------|---------------------|----------------------------------|-------------------------|--------------------------|----------------------------------|--------------|------------------------|----------------------------------|-----------------|--------------------------|----------------------------------|------------------------|
| BEAN, FIELD Ivory | Rogers Brothers Seed Company | Y UI 137 | BEAN, FIELD Lark | Seminis Vegetable Seeds, Inc. | Y UI 537 | BEAN, FIELD Lassen | University of Idaho | Y UI 686 | BEAN, FIELD Marquis | University of Idaho | Y UI 722 | BEAN, FIELD Mayflower | University of Idaho | |
| | Agri Sales, Inc. | Y (3) | | Rogers NK Seed Company | Y UI 906 | | University of Idaho | Y UI 906 | | Gen-Tec Seeds, Limited | Y Y (2) | | Gen-Tec Seeds, Limited | |
| | Michigan State University | Y (2) | | Michigan State University | Y Vista | | Seminis Vegetable Seeds, Inc. | Y Wesland | | Seminis Vegetable Seeds, Inc. | Y Inc. | | Seminis Vegetable Seeds, Inc. | |
| Midnight | Cornell University Agricultural Experiment Station | Y (2) | Zircon | Rogers Brothers Seed Company | BEAN, GARDEN Acclaim | NDSU Research Foundation | Y (3) | Y Accord | BEAN, GARDEN Opal | Allure | Y (3) | BEAN, GARDEN Pilgrim | Ambassador Amity | |
| | Seminis Vegetable Seeds, Inc. | | | Rogers Brothers Seed Company | Y (2) | | | | | Wilbur-Ellis Company | Y (2) | | Wilbur-Ellis Company | Gen-Tec Seeds, Limited |
| | Ronald D. and Leta L. | Y (2) | RS 101 | Seacat Rogers Seed Co. | Y Axel B169 | | Rogers NK Seed Company | Y | RS 101 | Wilbur-Ellis Company | Y (3) | Wilbur-Ellis Company | Wilbur-Ellis Company | Rogers NK Seed Company |
| | Santiago Sapphire | | | Rogers Brothers Seed Company | | | | | | Rogers Brothers Seed Company | | | | |
| | Schooner | | | | | | | | | | | | | |
| | Sierra | | | | | | | | | | | | | |
| | Snowball | | | | | | | | | | | | | |
| | Spinel | | | | | | | | | | | | | |
| | Starlight | | | | | | | | | | | | | |
| | Stinger | | | | | | | | | | | | | |
| | Topaz | | | | | | | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994 KIND
(GEN.) PVPA VARIETY
APPLICANT

| KIND VARIETY | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT |
|-----------------------------|--|---------------------------|---------------------------------|---------------------------------|
| BEAN, GARDEN Bluepak | Rogers Brothers Seed Company | BEAN, GARDEN DMC 06-39 | Del Monte Corporation | Del Monte Corporation |
| Bounty Brio | Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | DMC 08-01 | Del Monte Corporation | Del Monte Corporation |
| Broker's Choice | Rogers Brothers Seed Company | DMC 08-02 | Del Monte Corporation | Del Monte Corporation |
| Bronco | Seminis Vegetable Seeds, Inc. | DMC 08-47 | Del Monte Corporation | Del Monte Corporation |
| Burly | Rogers Brothers Seed Company | DMC 08-52 | Rogers NK Seed Company | Rogers NK Seed Company |
| Bush Kentucky Wonder 125 | Musser Seed Company, Inc. | Duchess | Bakker Brothers of Idaho, Inc. | Bakker Brothers of Idaho, Inc. |
| Bush Romano 350 | Rogers NK Seed Company | Early Sunray | Rogers Brothers Seed Company | Rogers Brothers Seed Company |
| Bush Romano 635 | Rogers NK Seed Company | Empress | Y | Y |
| Caesar | Harris Moran Seed Company | Endurance | Rogers Seed Company | Rogers Seed Company |
| Calgreen | Rogers NK Seed Company | Envy | Harris Moran Seed Company | Harris Moran Seed Company |
| Castel | Vilmorin, S.A. | Epoch | Wilbur-Ellis Company | Wilbur-Ellis Company |
| Celtic | Rogers NK Seed Company | Espada | Harris Moran Seed Company | Harris Moran Seed Company |
| Crest | Seminis Vegetable Seeds, Inc. | Eureka | Seminis Vegetable Seeds, Inc. | Seminis Vegetable Seeds, Inc. |
| Crossville | Harris Moran Seed Company | Evergreen | van Waveren Pflanzenzucht GmbH. | van Waveren Pflanzenzucht GmbH. |
| Dandy | Rogers Brothers Seed Company | EZ Harvest | Rogers Brothers Seed Company | Rogers Brothers Seed Company |
| Derby | Harris Moran Seed Company | EZ Pick | Rogers Brothers Seed Company | Rogers Brothers Seed Company |
| DMC 04-01 | Del Monte Corporation | Fesca | Nunhems Zaden B.V. | Nunhems Zaden B.V. |
| DMC 04-04 | Del Monte Corporation | Flamata | Royal Sluis B.V. | Royal Sluis B.V. |
| DMC 04-14 | Del Monte Corporation | Flatbush | Harris Moran Seed Company | Harris Moran Seed Company |
| DMC 04-19 | Del Monte Corporation | Flaveol | Royal Sluis B.V. | Royal Sluis B.V. |
| DMC 04-33 | Del Monte Corporation | Flevoro | Seminis Vegetable Seeds, Inc. | Seminis Vegetable Seeds, Inc. |
| DMC 04-34 | Del Monte Corporation | Flo | Seminis Vegetable Seeds, Inc. | Seminis Vegetable Seeds, Inc. |
| DMC 04-59 | Del Monte Corporation | Frenchy | Royal Sluis B.V. | Royal Sluis B.V. |
| DMC 04-60 | Del Monte Corporation | Gentry | Rogers NK Seed Company | Rogers NK Seed Company |
| DMC 04-61 | Del Monte Corporation | Gold Mine | Seminis Vegetable Seeds, Inc. | Seminis Vegetable Seeds, Inc. |
| DMC 04-88 | Del Monte Corporation | Goldie | Rogers Brothers Seed Company | Rogers Brothers Seed Company |
| DMC 04-94 | Del Monte Corporation | Goldkist | Rogers Brothers Seed Company | Rogers Brothers Seed Company |
| DMC 06-01 | Del Monte Corporation | Gourmet | Royal Sluis B.V. | Royal Sluis B.V. |
| DMC 06-23 | Del Monte Corporation | | | |
| DMC 06-26 | Del Monte Corporation | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT |
|--------------------------------------|---|-------------------------|-----------|-------------------------|---|----------------|------------------|-------------------------|---|
| BEAN, GARDEN Hialeah Homestyle | Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | BEAN, GARDEN Mustang | Nelson | BEAN, GARDEN Mustang | Seminis Vegetable Seeds, Inc. | B.V. | Royal Sluis B.V. | BEAN, GARDEN Mustang | Holland-Select Research |
| Hystyle Impact | Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | Nerina | | Nerina | Royal Sluis B.V. | | Vilmorin, S.A. | Nomara | |
| Irina | van Waveren Pflanzenzucht GmbH. | Nickel | | Nickel | Royal Sluis B.V. | | | Opus | Seminis Vegetable Seeds, Inc. |
| Jade | Rogers NK Seed Company | Nomara | | Opus | Royal Sluis B.V. | | | Opus | Royal Sluis B.V. |
| Javelin | Harris Moran Seed Company | Opus | | Ovation | Seminis Vegetable Seeds, Inc. | | | Ovation | Seminis Vegetable Seeds, Inc. |
| Jumbo | Gallatin Valley Seed Company | Ovation | | Peak | Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Peak | Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Kentucky Blue Label Labrador | Rogers NK Seed Company Vilmorin, S.A. | Pierre | | Pierre | Harris Moran Seed Company Harris Moran Seed Company Rogers Brothers Seed Company | | | Pierre | Harris Moran Seed Company Harris Moran Seed Company Rogers Brothers Seed Company |
| Laureat | Seminis Vegetable Seeds, Inc. | Podsquad | | Podsquad | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Podsquad | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Legion | Seminis Vegetable Seeds, Inc. | Primo | | Primo | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Primo | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Lodi | Seminis Vegetable Seeds, Inc. | Producer | | Producer | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Producer | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Lute | Royal Sluis B.V. | Profit Maker | | Profit Maker | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Profit Maker | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Magnum | Seminis Vegetable Seeds, Inc. | Prosperity | | Prosperity | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Prosperity | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Masai | Rogers Seed Co. | Quest | | Quest | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Quest | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Matador | Seminis Vegetable Seeds, Inc. | Rapids | | Rapids | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Rapids | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Mikado | Rogers Brothers Seed Company | Rushmore | | Rushmore | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Rushmore | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Milano | Harris Moran Seed Company | Satin | | Satin | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Satin | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Minidoka | Rogers NK Seed Company | Savor | | Savor | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Savor | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Mirada | Rogers Seed Company | Score | | Score | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Score | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Miriad | Harris Moran Seed Company | Sentry | | Sentry | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Sentry | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Modus | Nunhems Zaden B.V. | Y | | Y | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. | | | Y | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| Monaco | Holland-Select Research B.V. | | | | Gallatin Valley Seed Company | | | | Gallatin Valley Seed Company |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V 1994 PVPA | KIND V 1994 PVPA | VARIETY | APPLICANT | TITLE (GEN.) | V 1994 PVPA | VARIETY | APPLICANT |
|--|--|-------------------|---|---------|---|-----------------|-------------------|---------|-----------|
| BEAN, GARDEN Sprout | Seminis Vegetable Seeds, Inc. | | Dompe 95 Maffei 15 Maffei 57 | | Ben Fish and Son Agri Sales, Inc. L. D. Maffei Seed Company, Inc. | | | | |
| Stiletto Summit Sundial Sunrae Surfing | Harris Moran Seed Company Rogers NK Seed Company Harris Moran Seed Company Rogers NK Seed Company Mitsui Toatsu Chemicals, Inc. | | Maffei 8 | | L. D. Maffei Seed Company, Inc. | | | | |
| Surfing F | Mitsui Toatsu Chemicals, Inc. | Y (3) | Packers BEAN, MUNG Mungking I | | Harris Moran Seed Company King Grain, Inc. | | | | |
| Tanta Tema | Wilbur-Ellis Company Seminis Vegetable Seeds, Inc. | | NK-152 | | Hokkaido National Agricultural Experiment Station | | | | |
| Tempest Tenderlake Teseo Tess | Harris Moran Seed Company Harris Moran Seed Company Rogers Seed Co. Seminis Vegetable Seeds, Inc. | Y | BENTGRASS, COLONIAL Grasslands Egmont | | Grasslands Division / New Zealand DSIR Seed Research of Oregon, Inc. | | | | |
| Toga Tornado Trend Trueblue Venture | Harris Moran Seed Company Harris Moran Seed Company Royal Sluis B.V. | Y | 18th Green Cato | | University of Manitoba Texas Agricultural Experiment Station | Y (2) Y (2) | | | |
| Vilbel Volare | Harris Moran Seed Company Rogers Brothers Seed Company Vilmorin, S.A. | | Cobra Crenshaw National Pennlinks | | International Seeds, Inc. Texas A & M University Pickseed West Inc. | Y (2) | | | |
| Wax 216 Wax Romano 82264 Win | Seminis Vegetable Seeds, Inc. | | Pennlinks Procup | | Pennsylvania Agricultural Experiment Station Forbes Seed and Grain, Inc. | Y (1) | | | |
| Wrangler | Rogers NK Seed Company Rogers NK Seed Company Seminis Vegetable Seeds, Inc. | | Providence University of Rhode Island | | University of Manitoba Jacklin Seed Company Barenbrug USA - Marketing Division | Y (2) | | | |
| Yukon | Seminis Vegetable Seeds, Inc. | | Putter Regent | | Lofts Seed, Inc. Seed Research of Oregon, Inc. | Y (2) | | | |
| BEAN, GARDEN SHELL Buttergreen | Seminis Vegetable Seeds, Inc. | | SOUTHSHORE SR 1020 | | BENTGRASS, RED TOP Barracuda | Y | | | |
| BEAN, LIMA | | | | | BERMUDAGRASS | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V 1994 PVPA | KIND VARIETY | APPLICANT | V 1994 (GEN.) | PVPA | VARIETY | APPLICANT | V 1994 (GEN.) | PVPA |
|---------------------------|--|-------------------|-----------------|-----------------------------------|---|-------|--|-----------------------|---------------------|------|
| Cheyenne Guymon | J.R. Simplot Company Oklahoma Agricultural Experiment Station and USDA-ARS | Y (2) | Y | BLUEGRASS, KENTUCKY Eclipse | New Jersey Agricultural Experiment Station | | | | | |
| Lancaster Numex SAHARA | Max W. Lancaster New Mexico Crop Improvement Association Seeds West, Inc. Sonesta | Y (3) | Y | Freedom Gemar | Jacklin Seed Company | Y (2) | | | | |
| Primavera Sundevil | J.R. Simplot Company | | | Georgetown Ginger | Idaho Agricultural Experiment Station | Y (2) | | | | |
| BLUEGRASS, KENTUCKY | A82-208 A83-865 Abel I Alene | | Y | Greenley | Lofts Seed, Inc. | | Idaho Agricultural Experiment Station | Y (2) | | |
| Alpine | Pure-Seed Testing, Inc. Pure-Seed Testing, Inc. Pure-Seed Testing, Inc. Idaho Agricultural Experiment Station Pickseed West Inc. Svalof AB | | Y (2) | Huntsville Ikone | Jacklin Seed Company | | Idaho Agricultural Experiment Station | Y (2) | | |
| Amazon | International Seeds, Inc. Cebeco Zaden B.V. Zelder B.V. | | Y (3) | Indigo Julia | Pickseed West Inc. | | West Germany | L. C. Nungesser K.G., | | |
| America | W. Weibull AB | | | Liberty Limousine | Van Engelen Zaden B.V. | | | | | |
| Ampellia | Heart Seed Company, Inc. | | | Livingston Lofts 1757 | Jacklin Seed Company | | | | | |
| Apart | NK Lawn and Garden Company | | | Midnight Minstrel | Deutsche Saatveredelung | | | | | |
| Apex | D.J. van der Have B.V. | | | Mystic Nassau | Lippstadt - Bremen GmbH | | | | | |
| Argyle | B.W. Weibull AB | | | D.J. van der Have B.V. | Pure-Seed Testing, Inc. | | | | | |
| Aspen | Heart Seed Company, Inc. | | | Lofts Seed, Inc. | Jacklin Seed Company | | | | | |
| Asset | NK Lawn and Garden Company | | | Lofts Seed, Inc. and | Pickseed West Inc. | | | | | |
| Barblue | D.J. van der Have B.V. | | | Jacklin Seed Company | LESKO Inc. | | | | | |
| Barsweet | Barenbrug Holland B.V. | | | Pure-Seed Testing, Inc. | Pure-Seed Testing, Inc. | | | | | |
| Bartitia | Barenbrug Holland B.V. | | | Jacklin Seed Company | Jacklin Seed Company | | | | | |
| Blacksburg | Barenbrug Holding | | | D.J. van der Have B.V. | Pure-Seed Testing, Inc. | | | | | |
| Blue Star | Pure-Seed Testing, Inc. | | | Pure-Seed Testing, Inc. | Pure-Seed Testing, Inc. | | | | | |
| Bronco | Pickseed West Inc. | | | Pickseed West Inc. | Pickseed West Inc. | | | | | |
| Challenger | Pure-Seed Testing, Inc. | | | Pure-Seed Testing, Inc. | Pure-Seed Testing, Inc. | | | | | |
| Classic | Jacklin Seed Company | | | Jacklin Seed Company | Jacklin Seed Company | | | | | |
| Cocktail | D.J. van der Have B.V. | | | Pure-Seed Testing, Inc. | Pure-Seed Testing, Inc. | | | | | |
| Columbia | Mommersteeg International B.V. | | | Mommersteeg International B.V. | Mommersteeg International B.V. | | | | | |
| Cynthia | Suffolk | | | SR 2100 | SR 2100 | | | | | |
| Dawn | Jacklin Seed Company | | | SR 2000 | SR 2000 | | | | | |
| Destiny | Jacklin Seed Company | | | Shasta | Shasta | | | | | |
| | Trenton | | | SR 2000 | SR 2000 | | | | | |
| | | | | Y | Y | | | | | |
| | | | | | | | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | 1994 PVPA | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | 1994 PVPA | APPLICANT |
|---|---|----------------|--|--------------|----------------------------|--|--|-----------|--|-----------------------|--|
| BLUEGRASS, KENTUCKY Unique Washington | Pure-Seed Testing, Inc. Jonathan Green and Sons, Inc. and Cascade International Seed Company | Y | BROMEGRASS, THREADY Grasslands Gala | Deborah | BUCKWHEAT | L. Daehnfeldt, Inc. | Pyne Gould Guinness Ltd. and New Zealand Pastoral Agriculture Research Institute Ltd. | Y | Winsor Royal | Winsor Grain, Inc. | Y |
| BLUEGRASS, ROUGH Colt Darkhorse Laser Polder | Pure-Seed Testing, Inc. Pickseed West Inc. Lofts Seed, Inc. Mommersteeg International B.V. | Y | BUFFALOGRASS Bison | Topgun | CALENDULA Orange Gitana | Bamert Seed Company Bamert Seed Company The Regents of the University of California | Oklahoma Agricultural Experiment Station and USDA-ARS | Y (2) | Turfmaster UCHL-1 | CAPER SPURGE Chico | Wilbur A. or Eva M. Henderson |
| BLUEGRASS, SUPINA Supranova BLUESTEM, BIG Niagara | Saatzucht Steinach GmbH. Research Corporation Technologies, Inc. and USDA-ARS | Y | CAULIFLOWER Alverda | Y | CARROT | D'Arrigo Brothers Company of California | Texas Agricultural Experiment Station | Y (3) | Blizzard Blue Diamond Campoverde | Y | Royal Sluis B.V. Rijk Zwaan Zaadteelt en Zaadhandel B.V. |
| BROCCOLI Independence BROCCOLI (F1) Decathlon Nomad Triathlon BROCCOLI RAAB D'Arrigo 130 D'Arrigo 63 D'Arrigo No. 502 D'Arrigo No. 905 BROME, SHORT Vineyard and Orchard (V&O) - Type One Redwood City Seed Company | Scattini Seeds, Inc. Sakata Seed Corporation Sakata Seed Corporation Sakata Seed Corporation D'Arrigo Brothers Company of California | Y | CAULIFLOWER Alverda | Y | CARROT | D'Arrigo Brothers Company of California | Sunglow and Rijk Zwaan Zaadteelt en Zaadhandel B.V. | Y | Andes Aspen | Y | Royal Sluis B.V. Rijk Zwaan Zaadteelt en Zaadhandel B.V. |
| BROMEGRASS, SMOOTH Badger BROMEGRASS, SWEET | Agrecol Corporation | Y | CAULIFLOWER Alverda | Y | CARROT | D'Arrigo Brothers Company of California | Rogers NK Seed Company Harris Moran Seed Company | Y | Blizzard Blue Diamond Campoverde | Y | Royal Sluis B.V. Tanimura and Antle, Inc. |
| | | | | | | D'Arrigo Brothers Company of California | Sunglow and Rijk Zwaan Zaadteelt en Zaadhandel B.V. | | | | |

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**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

| KIND VARIETY | TITLE (GEN.) | V 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | V 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | V 1994 PVPA |
|--------------------|---|-------------------|------------------------------------|---|--|---|---|---|----------------------|-------------------|
| Minaret | Sunglow and Rijk Zwaan Zaadteelt en Zaadhandel B.V. | | Grasslands Puna | Grasslands Division / New Zealand DSIR | CHRYSANTHEMUM | Applause Bronze Shades | Applause Lavender Shades | Harris Moran Seed Company | Y | (3) |
| Ostrea | Rijk Zwaan Zaadteelt en Zaadhandel B.V. | | Applause White Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Harris Moran Seed Company | Y | (*) |
| Senator | Rijk Zwaan Zaadteelt en Zaadhandel B.V. | | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Harris Moran Seed Company | Y | (*) |
| SG 111 | Sluis and Groot Research Rijk Zwaan Zaadteelt en Zaadhandel B.V. | | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Harris Moran Seed Company | Y | (*) |
| Snowcone | Harris Moran Seed Company Rijk Zwaan Zaadteelt en Zaadhandel B.V. | | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Applause Yellow Shades | Harris Moran Seed Company | Y | (*) |
| Triton | Royal Sluis B.V. | | Santana | CLOVER, BERSEEM Bigbee | CLOVER, CRIMSON Flame | CLOVER, CRIMSON Flame | CLOVER, CRIMSON Flame | Mississippi Agricultural and Forestry Experiment Station and USDA-ARS | Y | (3) |
| Vernon | Royal Sluis B.V. | | Royal Sluis B.V. | Sluis and Groot Research Sluis and Groot Research Sluis and Groot Research Sluis and Groot Research | Sluis and Groot Research Sluis and Groot Research Sluis and Groot Research | Sluis and Groot Research Sluis and Groot Research | Sluis and Groot Research Sluis and Groot Research | Florida Agricultural Experiment Station | Y | (3) |
| White Fox | Bishop | | Redland II | CLOVER, RED Cherokee | Renegade | Ruby | Scarlett | Dairyland Seed Company, Inc. | Y | (3) |
| White Rock | Deacon | | Redland II | CLOVER, RED Cherokee | Renegade | Ruby | Scarlett | Northrup King Company | Y | (2) |
| White Satin | Gene's Gem 11-7 | | Pybas Vegetable Seed Company, Inc. | Tristan | Fresa | | Scarlett | New Mexico Crop Improvement Association | Y | (3) |
| White Summer | Hercules | | Bud Antle, Inc. | CLOVER, WHITE Aran | | | Scarlett | Northrup King Company | Y | (2) |
| CELERI | Hill's Special | | Bud Antle, Inc. | CLOVER, STRAWBERRY Fresa | | | Scarlett | New Mexico Crop Improvement Association | Y | (3) |
| Napolean | James Abe | | Bud Antle, Inc. | Zaaizaadbedrijven Gebroeders Sluis, B.V. | | | Scarlett | Northrup King Company | Y | (2) |
| Peto 285 | Matador | | Bud Antle, Inc. | Seaview Growers, Inc. | | | Scarlett | New Mexico Crop Improvement Association | Y | (3) |
| Promise | | | Bud Antle, Inc. | Royal Sluis, Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V. | | | Scarlett | Northrup King Company | Y | (2) |
| Rocket | | | Bud Antle, Inc. | Tanimura and Antle, Inc. | | | Scarlett | New Mexico Crop Improvement Association | Y | (3) |
| SV 1 | | | Bud Antle, Inc. | Tanimura and Antle, Inc. | | | Scarlett | Northrup King Company | Y | (2) |
| T & A Pride | | | Bud Antle, Inc. | Tanimura and Antle, Inc. | | | Scarlett | New Mexico Crop Improvement Association | Y | (3) |
| T&A Special Celery | -1 | | Bud Antle, Inc. | Tanimura and Antle, Inc. | | | Scarlett | Northrup King Company | Y | (2) |
| Ventura | | | Bud Antle, Inc. | Tanimura and Antle, Inc. | | | Scarlett | New Mexico Crop Improvement Association | Y | (3) |
| CHICORY | | | Bud Antle, Inc. | Tanimura and Antle, Inc. | | | Scarlett | Northrup King Company | Y | (2) |
| | | | | | | | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND | VARIETY | TITLE (GEN.) | V PVPA | 1994 KIND V PVPA | VARIETY | APPLICANT | 1994 (GEN.) | V PVPA |
|---|---------|-----------------|-------------|---------------------------|---------|-----------------------------------|----------------|-------------------------------------|
| Station, Ministry of Agriculture, Forestry and Fisheries | Star | Early Sunrise | CORN, FIELD | 78010 | 78371A | DeKalb-Pfizer Genetics | 78551S | DeKalb-Pfizer Genetics |
| Idaho Agricultural Experiment Station | Will | 207 | Y (2) | 787 | 790 | Northrup King Company | 793 | Northrup King Company |
| North Carolina Agricultural Research Service and USDA-ARS | | 2369 | Y (3) | 794 | 794 | Northrup King Company | 794 | Northrup King Company |
| COREOPSIS, PERENNIAL | | 29MIBZ2 | Y | 807 | 807 | Northrup King Company | 807 | Northrup King Company |
| Early Sunrise | | 2FACC | | 83IBI3 | 83IBI3 | DEKALB Plant Genetics Corporation | 84BRQ4 | DEKALB Genetics Corporation |
| CORN, FIELD | | 2FADB | | 84QAB1 | 84QAB1 | DEKALB Genetics Corporation | 85CS01 | DEKALB Genetics Corporation |
| | | 2MA22 | | 87916W | 87916W | DeKalb-Pfizer Genetics | 899 | Northrup King Company |
| | | 2MCDB | | 8F196 | 8F196 | DEKALB Genetics Corporation | 8F196 | DEKALB Genetics Corporation |
| | | 3IBZ2 | | 8M116 | 8M116 | DEKALB Genetics Corporation | 8M116 | DEKALB Genetics Corporation |
| | | 3IIH6 | | 8M129 | 8M129 | DEKALB Plant Genetics | 901 | Northrup King Company |
| | | 3IJ11 | | 901 | 901 | DEKALB Plant Genetics | 904 | Northrup King Company |
| | | 4676A | | 904 | 904 | DeKalb-Pfizer Genetics | 907 | Northrup King Company |
| | | 4N506 | | 907 | 907 | Funk Seeds International, Inc. | 911 | Northrup King Company |
| | | 5707 | | 911 | 912 | Asgrow Seed Company | 912 | Northrup King Company |
| | | 6103 | | 91BMA2 | 91BMA2 | Asgrow Seed Company | Y | DEKALB Genetics Corporation |
| | | 6F545 | | 91IFC2 | 91IFC2 | DEKALB Plant Genetics | 948 | Northrup King Company |
| | | 6F629 | | 948 | 948 | DeKalb-Pfizer Genetics | 982 | Northrup King Company |
| | | 6M502 | | 982 | 982 | DEKALB Plant Genetics | AM0776 | MAISADOUR |
| | | 6M502A | | AQA3 | AQA3 | Northrup King Company | B09 | DEKALB Plant Genetics |
| | | 740 | | B47 | B47 | Northrup King Company | 740 | Pioneer Hi-Bred International, Inc. |
| | | 764 | | 779 | 779 | Northrup King Company | 764 | Pioneer Hi-Bred International, Inc. |
| | | 778 | | 78002A | 78002A | DeKalb-Pfizer Genetics | 778 | Northrup King Company |
| | | 78004 | | 78004 | 78004 | DeKalb-Pfizer Genetics | 78004 | Northrup King Company |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994 KIND
(GEN.) PVPA VARIETY
APPLICANT

| KIND VARIETY | CORN, FIELD | CORN, FIELD |
|-----------------|-------------------------------------|---------------------------------|
| VARIETY | APPLICANT | APPLICANT |
| CL614 | DowElanco | DeKalb-Pfizer Genetics |
| CQ702rc | United Agriseeds, Inc. | DeKalb-Pfizer Genetics |
| CQ715 | DowElanco | ZENECA Ltd. |
| CQ806 | United Agriseeds, Inc. | Zenco (No. 4) Limited |
| CR14 | J.C. Robinson Seed Company | Zenco (No. 4) Limited |
| CR1Ht | J.C. Robinson Seed Company | ZENECA Ltd. |
| CS405 | United Agriseeds, Inc. | Zenco (No. 4) Limited |
| CS608 | United Agriseeds, Inc. | Zenco (No. 4) Limited |
| DJ7 | Edward J. Funk & Sons, Inc. | Northrup King Company |
| E8501 | Northrup King Company | Kleinwanzlebener Saatzucht AG |
| F118 | DEKALB Plant Genetics | Lifaco Seed Corporation |
| F274 | DEKALB Genetics Corporation | Lifaco Seed Corporation |
| F42 | FFR Cooperative | Lifaco Seed Corporation |
| FAPW | DeKalb-Pfizer Genetics | Lifaco Seed Corporation |
| FBHJ | DEKALB Plant Genetics | Limagrain Genetics Corp. |
| FBLL | DEKALB Plant Genetics | Limagrain Genetics Corp. |
| FBPN | DEKALB Genetics Corporation | Limagrain Genetics Corp. |
| G35 | Pioneer Hi-Bred International, Inc. | Holden's Foundation Seeds, Inc. |
| G39 | Pioneer Hi-Bred International, Inc. | Holden's Foundation Seeds, Inc. |
| G50 | Pioneer Hi-Bred International, Inc. | Holden's Foundation Seeds, Inc. |
| G80 | Pioneer Hi-Bred International, Inc. | Holden's Foundation Seeds, Inc. |
| H8431 | Northrup King Company | Holden's Foundation Seeds, Inc. |
| HB8229 | DEKALB Plant Genetics | Holden's Foundation Seeds, Inc. |
| HBA1 | DeKalb-Pfizer Genetics | Holden's Foundation Seeds, Inc. |
| IBB14 | DEKALB Plant Genetics | Holden's Foundation Seeds, Inc. |
| IBB15 | DeKalb-Pfizer Genetics | Holden's Foundation Seeds, Inc. |
| IBC2 | DeKalb Genetics Corporation | Holden's Foundation Seeds, Inc. |
| IBH9 | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994 KIND
(GEN.) PVPA VARIETY

APPLICANT
APPLICANT

| KIND VARIETY | CORN, FIELD LH159 | CORN, FIELD LH189Ht | CORN, FIELD LH190 | CORN, FIELD LH191 | CORN, FIELD LH192 | CORN, FIELD LH193 | CORN, FIELD LH194 | CORN, FIELD LH195 | CORN, FIELD LH196 | CORN, FIELD LH197 | CORN, FIELD LH198 | CORN, FIELD LH199 | CORN, FIELD LH200 | CORN, FIELD Y LH198 | CORN, FIELD Y LH199 | CORN, FIELD Y LH202 | CORN, FIELD Y LH204 | CORN, FIELD Y LH205 | CORN, FIELD Y LH206 | CORN, FIELD Y LH208 | CORN, FIELD Y LH209 | CORN, FIELD LH210 | CORN, FIELD LH211 | | |
|-----------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------|--|
| | Holden's Foundation Seeds, Inc. | | |
| | LH160 | LH162 | LH164 | LH165 | LH166 | LH167 | LH168 | LH169Ht | LH172 | LH175 | LH176 | LH178 | LH181 | LH183 | LH184 | LH185 | LH186 | LH188 | LH189 | LH190 | LH191 | LH192 | LH193 | LH194 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

| TITLE | V | 1994 | KIND | |
|-------------|---------|---------------------------------|---|--------|
| APPLICANT | (GEN.) | PVPA | VARIETY | FIELD |
| CORN, FIELD | LH212Ht | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH260 |
| | LH213 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH262 |
| | LH214 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH271 |
| | LH215 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH280 |
| | LH216 | Holden's Foundation Seeds, Inc. | Iowa State University Research Foundation | LH38 |
| | LH217 | Holden's Foundation Seeds, Inc. | Iowa State University Research Foundation | LH39 |
| | LH218 | Holden's Foundation Seeds, Inc. | Iowa State University Research Foundation | LH51 |
| | LH219 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH52 |
| | LH220Ht | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH54 |
| | LH222 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH57 |
| | LH223 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH59 |
| | LH224 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH60 |
| | LH225 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH61 |
| | LH227 | Holden's Foundation Seeds, Inc. | Holden's Foundation | Y LH65 |
| | LH231 | Holden's Foundation Seeds, Inc. | Holden's Foundation | LH74 |
| | LH233 | Holden's Foundation Seeds, Inc. | Holden's Foundation | Y LH82 |
| | LH234 | Holden's Foundation Seeds, Inc. | Holden's Foundation | Y LH85 |
| | LH235 | Holden's Foundation Seeds, Inc. | Holden's Foundation | Y LH93 |
| | LH250 | Holden's Foundation Seeds, Inc. | LIBC4 | Lp215D |
| | LH252 | Holden's Foundation Seeds, Inc. | LIBC4 | Lp5 |

*) No limit to the number of generations of certified seed beyond breeders seed

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | V VARIETY | CORN, FIELD |
|-----------------|-----------------|-----------|-----------------|---|-------------------------------------|--------------|--------------|-------------|
| MBNA | MDF-13D | Y | PHAP8 | DeKalb-Pfizer Genetics | Pioneer Hi-Bred International, Inc. | | | |
| MBPM | ML606 | Y | PHAP9 | DeKalb-Pfizer Genetics | Pioneer Hi-Bred International, Inc. | | | |
| MBSJ | MM402A | Y | PHAW6 | DEKALB Plant Genetics | Pioneer Hi-Bred International, Inc. | | | |
| MBST | MM501D | Y | PHBA6 | DEKALB Plant Genetics | Pioneer Hi-Bred International, Inc. | | | |
| MBUB | MQ305 | Y | PHBB3 | DEKALB Plant Genetics Corporation | Pioneer Hi-Bred International, Inc. | | | |
| MBWZ | MQ306 | Y | PHBE2 | DeKalb-Pfizer Genetics United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| MBZA | ND277 | Y | PHBF0 | DEKALB Plant Genetics United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | ND278 | Y | PHBG4 | DEKALB Plant Genetics United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | ND279W | Y | PHBR2 | NDSU Research Foundation NDSU Research Foundation | Pioneer Hi-Bred International, Inc. | | | |
| | NL001 | Y | PHBV8 | DEKALB Plant Genetics United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | NQ402 | Y | PHBW8 | United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | NQ508 | Y | PHDD6 | DowElanco DowElanco | Pioneer Hi-Bred International, Inc. | | | |
| | NS501 | Y | PHDP0 | United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | NS701 | Y | PHEG9 | United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | NS815 | Y | PHEM7 | United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | OQ101 | Y | PHEW7 | United AgriSeeds, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | OQ201 | Y | PHEM9 | DeKalb-Pfizer Genetics | Pioneer Hi-Bred International, Inc. | | | |
| | OQ301 | Y | PHFA5 | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | OQ403 | Y | PHG29 | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | OQ414 | Y | PHG47 | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | |
| | OQ601 | Y | | | | | | |
| | OQ603 | Y | | | | | | |
| | OS602 | Y | | | | | | |
| | PB80 | Y | | | | | | |
| | PHAA0 | Y | | | | | | |
| | PHAG6 | Y | | | | | | |
| | PHAJ0 | Y | | | | | | |
| | PHAP1 | Y | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | VARIETY | APPLICANT |
|----------------------|--|--------------|----------------------|--|-------------------|--------------|---------|-----------|
| CORN, FIELD PHG71 | Pioneer Hi-Bred International, Inc. | PHJ89 | CORN, FIELD PHJ89 | Pioneer Hi-Bred International, Inc. | | | | |
| PHG72 | Pioneer Hi-Bred International, Inc. | PHJ90 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHG83 | Pioneer Hi-Bred International, Inc. | PHJJ3 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHG84 | Pioneer Hi-Bred International, Inc. | PHJR5 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHG86 | Pioneer Hi-Bred International, Inc. | PHK05 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHGF5 | Pioneer Hi-Bred International, Inc. | Y | PHK29 | Pioneer Hi-Bred International, Inc. | | | | |
| PHGG7 | Pioneer Hi-Bred International, Inc. | PHK35 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHGV6 | Pioneer Hi-Bred International, Inc. | PHK42 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHGW7 | Pioneer Hi-Bred International, Inc. | PHK46 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHH93 | Pioneer Hi-Bred International, Inc. | PHK56 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHHB4 | Pioneer Hi-Bred International, Inc. | PHK74 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHHB9 | Pioneer Hi-Bred International, Inc. | PHK76 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHHH9 | Pioneer Hi-Bred International, Inc. | PHK93 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHHV4 | Pioneer Hi-Bred International, Inc. | PHKE6 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHHJ31 | Pioneer Hi-Bred International, Inc. | PHKM5 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHJ33 | Pioneer Hi-Bred International, Inc. | PHKV1 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHJ40 | Pioneer Hi-Bred International, Inc. | PHKW3 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHJ65 | Pioneer Hi-Bred International, Inc. | PHM10 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHJ70 | Pioneer Hi-Bred International, Inc. | PHM49 | | Pioneer Hi-Bred International, Inc. | | | | |
| PHJ75 | Pioneer Hi-Bred International, Inc. | PHM57 | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V 1994 PVPA | KIND VARIETY | APPLICANT | V (GEN.) | V 1994 PVPA | APPLICANT | V 1994 PVPA |
|-----------------|--|-------------------|--|--|-------------|-------------------|-----------|-------------------|
| CORN, FIELD | | CORN, FIELD | | | | | | |
| PHM81 | Pioneer Hi-Bred International, Inc. | PHP85 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHMK0 | Pioneer Hi-Bred International, Inc. | PHPM0 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN11 | Pioneer Hi-Bred International, Inc. | PHP88 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN18 | Pioneer Hi-Bred International, Inc. | PHP85 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN29 | Pioneer Hi-Bred International, Inc. | PHR03 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN34 | Pioneer Hi-Bred International, Inc. | PHR25 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN37 | Pioneer Hi-Bred International, Inc. | PHR30 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN41 | Pioneer Hi-Bred International, Inc. | PHR31 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN46 | Pioneer Hi-Bred International, Inc. | PHR32 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN47 | Pioneer Hi-Bred International, Inc. | PHR36 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN53 | Pioneer Hi-Bred International, Inc. | PHR47 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN66 | Pioneer Hi-Bred International, Inc. | PHR55 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN73 | Pioneer Hi-Bred International, Inc. | PHR58 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHN82 | Pioneer Hi-Bred International, Inc. | Y | PHR61 | Pioneer Hi-Bred International, Inc. | | | | |
| PHNB7 | Pioneer Hi-Bred International, Inc. | Y | PHR62 | Pioneer Hi-Bred International, Inc. | | | | |
| PHNJ2 | Pioneer Hi-Bred International, Inc. | Y | PHR63 | Pioneer Hi-Bred International, Inc. | | | | |
| PHP02 | Pioneer Hi-Bred International, Inc. | PHRD6 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHP38 | Pioneer Hi-Bred International, Inc. | PHRE1 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHP55 | Pioneer Hi-Bred International, Inc. | PHRF5 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHP60 | Pioneer Hi-Bred International, Inc. | PHT10 | Pioneer Hi-Bred International, Inc. | | | | | |
| PHP76 | Pioneer Hi-Bred International, Inc. | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | CORN, FIELD PVPA9 | APPLICANT | TITLE V (GEN.) | 1994 KIND VARIETY | CORN, FIELD PHVA9 | APPLICANT |
|-----------------|-------------------------------------|-----------------|-----------|-------------------------|-------------------------------------|-------------------------------------|-------------------|-------------------------|-------------------------------------|-----------|
| | Pioneer Hi-Bred International, Inc. | PHT11 | | | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | Pioneer Hi-Bred International, Inc. | |
| | Pioneer Hi-Bred International, Inc. | PHT22 | | | PHVB2 | Pioneer Hi-Bred International, Inc. | | | PHVB2 | Y |
| | Pioneer Hi-Bred International, Inc. | PHT47 | | | PHVJ4 | Pioneer Hi-Bred International, Inc. | | | PHVJ4 | |
| | Pioneer Hi-Bred International, Inc. | PHT55 | | | PHVJ5 | Pioneer Hi-Bred International, Inc. | | | PHVJ5 | Y |
| | Pioneer Hi-Bred International, Inc. | PHT60 | | | PHW03 | Pioneer Hi-Bred International, Inc. | | | PHW03 | |
| | Pioneer Hi-Bred International, Inc. | PHT69 | | | PHW06 | Pioneer Hi-Bred International, Inc. | | | PHW06 | |
| | Pioneer Hi-Bred International, Inc. | PHT73 | | | PHW17 | Pioneer Hi-Bred International, Inc. | | | PHW17 | |
| | Pioneer Hi-Bred International, Inc. | PHT77 | | | PHW20 | Pioneer Hi-Bred International, Inc. | | | PHW20 | |
| | Pioneer Hi-Bred International, Inc. | PHTD5 | | | PHW30 | Pioneer Hi-Bred International, Inc. | | | PHW30 | |
| | Pioneer Hi-Bred International, Inc. | PHTE4 | | | PHW43 | Pioneer Hi-Bred International, Inc. | | | PHW43 | |
| | Pioneer Hi-Bred International, Inc. | PHTE7 | | | PHW51 | Pioneer Hi-Bred International, Inc. | | | PHW51 | Y |
| | Pioneer Hi-Bred International, Inc. | PHTM9 | | | PHW52 | Pioneer Hi-Bred International, Inc. | | | PHW52 | |
| | Pioneer Hi-Bred International, Inc. | PHTP9 | | | PHW53 | Pioneer Hi-Bred International, Inc. | | | PHW53 | Y |
| | Pioneer Hi-Bred International, Inc. | PHTV7 | | | PHW61 | Pioneer Hi-Bred International, Inc. | | | PHW61 | Y |
| | Pioneer Hi-Bred International, Inc. | PHV07 | | | PHW65 | Pioneer Hi-Bred International, Inc. | | | PHW65 | |
| | Pioneer Hi-Bred International, Inc. | PHV37 | | | PHW79 | Pioneer Hi-Bred International, Inc. | | | PHW79 | |
| | Pioneer Hi-Bred International, Inc. | PHV53 | | | PHW80 | Pioneer Hi-Bred International, Inc. | | | PHW80 | |
| | Pioneer Hi-Bred International, Inc. | PHV57 | | | PHW86 | Pioneer Hi-Bred International, Inc. | | | PHW86 | |
| | Pioneer Hi-Bred International, Inc. | PHV63 | | | PHWG5 | Pioneer Hi-Bred International, Inc. | | | PHWG5 | |
| | Pioneer Hi-Bred International, Inc. | PHV78 | | | PHZ51 | Pioneer Hi-Bred International, Inc. | | | PHZ51 | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | KIND VARIETY | APPLICANT |
|---------------------------|---|-----------|---------------------------------------|---|-----------------|-----------|-----------------|-----------|
| COTTON Coker 139 | Stoneville Pedigreed Seed Company, Inc. | Y (3) | COTTON Deltapine SR-980 DES 119 | SeedCo Corporation Mississippi Agricultural and Forestry Experiment Station and USDA-ARS | Y (3) | | | |
| Coker 208 | Stoneville Pedigreed Seed Company, Inc. | Y (3) | | Mississippi Agricultural and Forestry Experiment Station | Y (3) | | | |
| Coker 3131 | Stoneville Pedigreed Seed Company, Inc. | Y (3) | | | | | | |
| Coker 320 | Stoneville Pedigreed Seed Company, Inc. | Y (3) | | | | | | |
| Coker 4360 | SeedCo Corporation SeedCo Corporation Olvey and Associates, Inc. | Y (3) | | | | | | |
| Coker 500 Conquistador | SeedCo Corporation Olvey and Associates, Inc. | Y | | | | | | |
| Coyote Delcot 311 | Sally Vreeseis Fox Curators of the University of Missouri | Y (3) | | | | | | |
| Delcot 344 | Curators of the University of Missouri | Y (3) | | | | | | |
| Deltapine 120 | Delta and Pine Land Company | | | | | | | |
| Deltapine 20 | Delta and Pine Land Company | | | | | | | |
| Deltapine 30 | Delta and Pine Land Company | | | | | | | |
| Deltapine 50 | Delta and Pine Land Company | | | | | | | |
| Deltapine 51 | Delta and Pine Land Company | | | | | | | |
| Deltapine 62 | Delta and Pine Land Company | | | | | | | |
| Deltapine 69 | Delta and Pine Land Company | Y (3) | | | | | | |
| Deltapine 77 | Delta and Pine Land Company | | | | | | | |
| Deltapine Acala 90 | Delta and Pine Land Company | | | | | | | |
| Deltapine NSL | Delta and Pine Land Company | | | | | | | |
| Deltapine SR-383 | SeedCo Corporation | | | | | | | |
| Deltapine SR-482 | SeedCo Corporation | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

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**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

TITLE V 1994
(GEN.) PVPA

| TITLE IND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | COTTON HS-46 | APPLICANT | |
|---------------------------------|--|---------------------------------|--------------|--|-----------------|-----------|-----------|
| | | | | | | VARIETY | APPLICANT |
| Puryear; H. P. Anderson, III | Germain's Acala GC-356 | Germain's Cotton Seeds, Inc. | Y (3) | | | | |
| Germain's Acala GC-362 | Germain's Cotton Seeds, Inc. | Y (*) | | HY 39 | | | |
| Germain's Acala GC-363 | Germain's Cotton Seeds, Inc. | Y (*) | | KC 380 | | | |
| Germain's Acala GC-410 | Germain's Cotton Seeds, Inc. | Y (3) | | KC311 | | | |
| Germain's Acala GC-445 | Germain's Cotton Seeds, Inc. | Y (*) | | Kings Acala M5 | | | |
| Germain's Acala GC-510 | Germain's Cotton Seeds, Inc. | Y (*) | | V. T. Walhood and Westlake Farms, Inc. | | | |
| Germain's Acala GC-555 | Germain's Cotton Seeds, Inc. | Y (*) | | Louisiana Agricultural Experiment Station | | | |
| Germain's Acala GC-610 | Germain's Seeds, Inc. | Y (3) | | J. H. Lambright | | | |
| Germain's Acala GC-702 | Germain's Cotton Seeds, Inc. | Y (3) | | Delta and Pine Land Company | | | |
| Germain's GC-210 | Germain's Seeds, Inc. | Y (3) | | Delta and Pine Land Company | | | |
| GP 1005 | G&P Seed Company, Inc. | Y (3) | | Delta and Pine Land Company | | | |
| GP 5479 | G&P Seed Company, Inc. | Y (3) | | Delta and Pine Land Company | | | |
| GP 74+ | G&P Seed Company, Inc. | Y (3) | | Delta and Pine Land Company | | | |
| Green GSC 1093 | Sally Vreeseis Fox Agrigenetics Corporation, Division of The Lubrizol Corporation | | | Delta and Pine Land Company | | | |
| GSC 20 | The Lubrizol Corporation | | | Oro Blanco Pima | | | |
| GSC 25 | The Lubrizol Corporation | | | Palo Verde | | | |
| GSC 27 | The Lubrizol Corporation | | | Paymaster 145 | | | |
| GSC 30 | The Lubrizol Corporation | | | Paymaster 147 | | | |
| GSC 71+ HS 23 | The Lubrizol Corporation Helena Chemical Company, dba Hyperformer Seed Company | | | Paymaster 404 | | | |
| HS Salcot 10 | J&S Research Company of Arizona, Inc. | | | Paymaster 892 | | | |
| HS-44 | J&S Research Company of Arizona, Inc. | | | Paymaster HS 26 | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V 1994 | KIND PVPA | VARIETY | V 1994 (GEN.) | V 1994 (GEN.) | APPLICANT | APPLICANT | 1994 PVPA |
|--------------------------------|---|-----------|----------------|---------------------------------------|---------------------|---------------------|-----------|-----------|--------------|
| COTTON | | | | | | | | | |
| Paymaster HS200 | Delta and Pine Land Company | Y (3) | Sure-Grow 1001 | Ellis Brothers Seed, Inc. | Y (3) | | | | |
| PD-3 | South Carolina Agricultural Experiment Station and USDA-ARS | Y (3) | Sure-Grow 125 | Sure-Grow Seed, Inc. | Y | | | | |
| Quapaw D | Brownfield Seed and Delinting Company, Inc. | SV 13 | Sure-Grow 404 | Sure-Grow Seed, Inc. | Y | | | | |
| Rilcot 90-A | Rilcot Seed Company | SV 93 | Sure-Grow 501 | Sure-Grow Seed, Inc. | Y | | | | |
| Rogers 7590 | Rogers LG Cottonseed Company | Y (3) | SV 13 | J&S Research Company of Arizona, Inc. | Y | | | | |
| Rogers LG 102 | Rogers Delinted Cottonseed Company | | Tamcot 2111 | J&S Research Company of Arizona, Inc. | Y (2) | | | | |
| Rogers LG 86 | Rogers LG Cottonseed Company | | Tamcot CAB-CS | Texas Agricultural Experiment Station | Y (3) | | | | |
| S-35 | Seed Source, Inc. | | Tamcot CD3H | Texas Agricultural Experiment Station | Y (1) | | | | |
| S-55 | Seed Source, Inc. | | Tamcot GCNH | Texas Agricultural Experiment Station | Y (1) | | | | |
| San Simon Del Cerro Simwalt 82 | B&M Cotton Company Oklahoma Agricultural Experiment Station | Y (2) | Tamcot HQ95 | Texas Agricultural Experiment Station | Y (2) | | | | |
| Southland 400 | SeedCo Corporation | | | Terra 207 | Y | | | | |
| Southland M1 | SeedCo Corporation | | | Terra 292 | Y | | | | |
| St 132 | Stoneville Pedigreed Seed Company, Inc. | Y | | Terra 366 | Y | | | | |
| ST 474 | Stoneville Pedigreed Seed Company, Inc. | Y | | Terra C-30 | Y | | | | |
| Stoneville 112 | Stoneville Pedigreed Seed Company, Inc. | | | Tifcot 56 | Y | | | | |
| Stoneville 302 | Stoneville Pedigreed Seed Company, Inc. | | | | Y | | | | |
| Stoneville 324 | Stoneville Pedigreed Seed Company, Inc. | | | | | | | | |
| Stoneville 453 | Stoneville Pedigreed Seed Company, Inc. | | | | | | | | |
| Stoneville 506 | Stoneville Pedigreed Seed Company, Inc. | | | | | | | | |
| Stoneville 825 | Stoneville Pedigreed Seed Company, Inc. | | | | | | | | |
| Stoneville 907 | Stoneville Pedigreed Seed Company, Inc. | | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA |
|---------------------------|---|-----------------|-----------|-------------------------|---------------------------------|---------------------------------|-----------|-------------------------|-----------|-----------------|-----------|
| COWPEA | | | | FESCUE, CHEWINGS | | | | | | | |
| Kunde Zulu | Jeffrey D. Ehlers | Y | (1) | Y | Cebeco Zaden B.V. | | | | | | |
| Mississippi Cream | Mississippi Agricultural and Forestry Experiment Station | Y | (3) | Y | D.J. van der Have B.V. | | | | | | |
| | | | | Contour | Germinal Holdings Ltd., U.K. | | | | | | |
| | | | | Countess | Zelder B.V. | | | | | | |
| Mississippi Pinkeye | Mississippi Agricultural and Forestry Experiment Station | Y | (3) | Y | Jamestown II | | | | | | |
| | | | | Lobi | International Seeds, Inc. | | | | | | |
| Mississippi Shipper | Mississippi Agricultural and Forestry Experiment Station | Y | (3) | Y | Longfellow | | | | | | |
| | | | | Magenta | D.J. van der Have B.V. | | | | | | |
| | | | | Mary | Mommerssteeg International B.V. | | | | | | |
| Pinkeye Pink Pod | Chester Brogden and Charles E. Smith | Y | (2) | Y | Milan | Saatzucht Steinach GmbH. | | | | | |
| Texas Pinkeye Purple Hull | Texas Agricultural Experiment Station | Y | (2) | Y | Molinda | Mommerssteeg International B.V. | | | | | |
| CUCUMBER | Arkansas Little Leaf M. J. Goode, J. L. Bowers and Arkansas Agricultural Experiment Station | Y | (3) | Y | Proformer | Grassland West | | | | | |
| | | | | SR 5000 | Shadow | Pure-Seed Testing, Inc. | | | | | |
| | | | | | SR 5000 | Seed Research of Oregon, Inc. | | | | | |
| Picklebush | W. Atlee Burpee Company | Y | (2) | Y | Tiffany | Pure-Seed Testing, Inc. | | | | | |
| DAHLIA | Waller Flowerseed Company | Y | (2) | Y | Victory | Pickseed West Inc. | | | | | |
| Redskin | DELPHINIUM | Y | (2) | Y | Wilma | W. Weibull AB | | | | | |
| | Magic Fountains Dark Blue/Dark Bee | Y | (2) | Y | FESCUE, HARD | | | | | | |
| | Lilac Pink | Y | (2) | Y | Aurora | Pure-Seed Testing, Inc. | | | | | |
| | Magic Fountains Sky Blue | Y | (2) | Y | Brigade | Mommerssteeg International B.V. | | | | | |
| | Magic Fountains White | Y | (2) | Y | Crystal | Pure-Seed Testing, Inc. | | | | | |
| EGGPLANT | Harris Moran Seed Company | Y | (2) | Y | Discovery | Van Engelen Zaden B.V. | | | | | |
| Little Fingers | Harris Moran Seed Company | Y | (2) | Y | Eureka | D.J. van der Have B.V. | | | | | |
| ENDIVE | Harris Moran Seed Company | Y | (2) | Y | Hartina | Pure-Seed Testing, Inc. | | | | | |
| Crispy Green | D'Arrigo Brothers Company | Y | (2) | Y | Nordic | Lofts Seed, Inc. | | | | | |
| FENNEL | AB Sweet Anise 93 | Y | (2) | Y | Reliant | Willamette Seed Company, Inc. | | | | | |
| | | | | SR 3100 | Serra | D.J. van der Have B.V. | | | | | |
| | | | | | | Pickseed West Inc. | | | | | |
| FESCUE, CHEWINGS | Cebeco Zaden B.V. | Y | (3) | Y | | Seed Research of Oregon, Inc. | | | | | |
| Capitol | | | | | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

TITLE V 1994 APPLICANT
 (GEN.) PVPA VARIETY

| KIND VARIETY | APPLICANT | TITLE V (GEN.) | KIND PVPA | VARIETY |
|-------------------------------|--|----------------|---------------------|---------|
| FESCUE, IDAHO Joseph | Idaho Agricultural Experiment Station | Y (2) | FESCUE, TALL Austin | |
| Nezpurs | Idaho Agricultural Experiment Station | Y (2) | Barcel | |
| FESCUE, MEADOW First | Michigan State University Snow Brand Seed Company Ltd. | Y (3) | Barnone | |
| FESCUE, RED Barcrown | Barenbrug Holland B.V. | Y (3) | Bonanza | |
| Cindy | Cebeco Zaden B.V. | Y (3) | Bonsai | |
| Claudia | Cebeco Zaden B.V. | Y (3) | Cajun | |
| Flyer | Pure-Seed Testing, Inc. | Y (3) | carefree | |
| Jasper | Pickseed West Inc. | Y (3) | cattle Club | |
| Jupiter | W.W. Johnson and Son Ltd., U.K. | Y (3) | Chesapeake | |
| Logro | Germinal Holdings Ltd., U.K. | Y (3) | Chieftain | |
| Molate Blue | James M. Stewart, Inc., Conservaseed | Y (3) | Cimarron | |
| Moncorde | Mommersteeg International B.V. | Y (3) | Clemfine | |
| Shademaster | Pure-Seed Testing, Inc. | Y (3) | Conestoga | |
| Victor | Mommersteeg International B.V. | Y (3) | Crewcut | |
| Vista | Pure-Seed Testing, Inc. | Y (3) | Crossfire | |
| FESCUE, SLENDER Bighorn MX-86 | Pure-Seed Testing, Inc. | Y (3) | Duke | |
| FESCUE, TALL Adventure | J.R. Simplot Company | Y (3) | Eldorado | |
| Amigo | Pure-Seed Testing, Inc. | Y (3) | Emperor | |
| Apache | Pure-Seed Testing, Inc. | Y (3) | Falcon | |
| Arid | Jacklin Seed Company | Y (3) | Finelawn 5GL | |
| Arriba | Pure-Seed Testing, Inc. | Y (3) | Finelawn 88 | |
| Astro | Pure-Seed Testing, Inc. | Y (3) | Finelawn I | |
| AU Triumph | Alabama Agricultural Experiment Station, Auburn University | Y (3) | Homestead | |
| | | Y (3) | Hounddog | |
| | | Y (3) | Jaguar II | |
| | | Y (3) | Johnstone | |
| | | Y (3) | Martin | |
| | | Y (3) | Maximize | |
| | | Y (3) | Mesa | |
| | | Y (3) | Mojave | |
| | | Y (3) | Monarch | |
| | | Y (3) | Mozark | |
| | | Y (3) | Murietta | |

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**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

(Through April 13, 1998)

| KIND TITLE V (GEN.) | VARIETY TITLE V (GEN.) | APPLICANT APPLICANT | KIND 1994 PVPA | VARIETY 1994 PVPA | APPLICANT Carostan | TITLE V 1994 (GEN.) | KIND 1994 PVPA | VARIETY 1994 PVPA | APPLICANT North Carolina Agricultural Research Service |
|---------------------------|------------------------------|---|---|-------------------------|--|---------------------------|----------------------|-------------------------|---|
| FESCUE, TALL Mustang | | Pickseed West Inc. Pure-Seed Testing, Inc. | FOXTAIL, CREEPING Retain | | Foundation Seed Stocks, South Dakota | Y (2) | | | |
| Olympic II | | Pure-Seed Testing, Inc. | | | | | | | |
| Pacer | | International Seeds, Inc. | | | | | | | |
| Penngrazer | | FFR Cooperative Normarc, Inc. | | | | | | | |
| Phoenix | | FFR Cooperative | GAZANIA Daybreak Orange Mini-Star Tangerine | | Denholm Seeds Ernst Benary, West Germany | | | | |
| Phyter | | Lofts Seed, Inc. | | | | | | | |
| Rebel | | Lofts Seed, Inc. | | | | | | | |
| Rebel II | | Lofts Seed, Inc. | | | | | | | |
| Rebel Jr. | | Lofts Seed, Inc. | HAIR-GRASS, CRESTED Barkoel | | Barenbrug Holland B.V. | Y (3) | | | |
| Richmond | | International Seeds, Inc. | | | | | | | |
| Safari | | Pure-Seed Testing, Inc. | | | | | | | |
| Safe | | Ag Tech, Inc. | | | | | | | |
| Shenandoah | | R. J. Peterson Enterprises, Inc. | | | Alabama Agricultural Experiment Station | | | | |
| Shortstop | | Pickseed West Inc. | | | Texas Agricultural Experiment Station | Y (2) | | | |
| Silverado | | Pure-Seed Testing, Inc. | | | | | | | |
| Southland | | International Seeds, Inc. | | | | | | | |
| SR 8200 | | Seed Research of Oregon, Inc. | | | G. E. Pogue Seed Company, | Y (3) | | | |
| Stagecoach | | Smith Seed Services | | | Inc. | | | | |
| Tempo | | NPI Seed Inc. | | | Wilbur-Ellis Company | | | | |
| Thunderbird | | Pure-Seed Testing, Inc. | | | | | | | |
| Tip | | Willamette Seed Company, Inc. | | | | | | | |
| Titan | | Seed Research of Oregon, Inc. | | | | | | | |
| Tomahawk | | Pure-Seed Testing, Inc. | | | | | | | |
| Tradition | | Pure-Seed Testing, Inc. | | | | | | | |
| Trailblazer II | | Pure-Seed Testing, Inc. | | | | | | | |
| Tribute | | Pure-Seed Testing, Inc. | | | | | | | |
| Trident | | Alpha DMR Andros | | | | | | | |
| Willamette | | International Seeds, Inc. | | | | | | | |
| Winchester | | International Seeds, Inc. | | | | | | | |
| Wrangler | | Pure-Seed Testing, Inc. | | | | | | | |
| FESTUOLIUM | | Jacklin Seed Company | | | | | | | |
| Tandem | | D. J. van der Have B.V. | | | | | | | |
| FLACCIDGRASS | | Atlas | | | | | | | |
| | | Augustus | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

APPLICANT
APPLICANT

TITLE V 1994
(GEN.) PVPA

| | | | | |
|----------------|--|--|---|--|
| LETTUCE | Basore 920 Bautista | Genecorp, Inc. Royal Sluis, Koninklijke Zaaizaadbedrijven | Desert Spring Desert Storm Don Juan Duchesse | Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company Harris Moran Seed Company |
| | Bella Rosa Bellagreen Big Red Bix | Plant Genetics, Inc. Harris Moran Seed Company Genecorp, Inc. Seminis Vegetable Seeds, Inc. | Dynasty Early Giant El Dorado | Genecorp, Inc. Royal Sluis, Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V. |
| | Blazer Bonanza | Genecorp, Inc. Seminis Vegetable Seeds, Inc. | El Toro Encore | Harris Moran Seed Company Royal Sluis, Koninklijke Zaaizaadbedrijven |
| | Boston Rose Bounty Bud 71-3 | Genecorp, Inc. Petoseed Company, Inc. Bud Antle, Inc. | Enduro | Gebroeders Sluis, B.V. Seminis Vegetable Seeds, Inc. |
| | Buena Vista Bulls Eye | Genecorp, Inc. Arthur Yates and Company Pty. Ltd. | Epic Esmeralda Express | Sakata Seed America, Inc. Royal Sluis B.V. |
| | Canasta Capri | Sluis and Groot Research Seminis Vegetable Seeds, Inc. | Fallgreen Fame | Harris Moran Seed Company Harris Moran Seed Company Seminis Vegetable Seeds, Inc. |
| | Centurion Champ | Quali-Sel, Inc. Genecorp, Inc. | Fanfare FM 8248 | Harris Moran Seed Company Harris Moran Seed Company Bruce Church, Inc. |
| | Chieftain Classic | Genecorp, Inc. Seminis Vegetable Seeds, Inc. | Gabilan Garnet | Harris Moran Seed Company Sakata Seed America, Inc. Genecorp, Inc. |
| | Clemente | Royal Sluis, Koninklijke Zaaizaadbedrijven | Gemini | Genecorp Boston Genecorp Cos |
| | Cos King Crisp & Green | Gebroeders Sluis, B.V. Genecorp, Inc. Central Valley Seeds, Inc. | Y | Genecorp Green Genesys Green Gilaben Golden Bibb Green Bowl |
| | Darkland Cos | Central Valley Seeds, Inc. | Y (*) | Semini's Vegetable Seeds, Inc. |
| | Del Rey | Royal Sluis, Koninklijke Zaaizaadbedrijven | Y | Harris Moran Seed Company Harris Moran Seed Company Genecorp, Inc. |
| | | Gebroeders Sluis, B.V. | | Genecorp, Inc. |
| | | Harris Moran Seed Company | | Genecorp, Inc. |
| | | Genecorp, Inc. | | Ideal Cos |

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**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

TITLE V 1994
(GEN.) PVPA

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND | VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA |
|---------------------|------------------------------|-----------|-------------------|--------------------|------------------------------|-----------|-------------------|--------------|-----------------|-----------|-------------------|--------------|
| LETTUCE | | | | | | | | | | | | |
| Winter King | Bruce Church, Inc. | | MARIGOLD | Little Hero Orange | John Bodger and Sons Company | | | | | | | |
| Yuma | Harris Moran Seed Company | Y | | | John Bodger and Sons Company | | | | | | | |
| Yuppie | Genecorp, Inc. | Y | | | John Bodger and Sons Company | | | | | | | |
| Zenith | Bruce Church, Inc. | | | | Cardo Construct | | | | | | | |
| LOBELIA, ANNUAL | | | | | John Bodger and Sons Company | | | | | | | |
| Half Moon | Sluis and Groot Research | | | | Papaya Crush | | | | | | | |
| Midnight Moon | Sluis and Groot Research | | | | Improved | | | | | | | |
| Papermoon | Sluis and Groot Research | | | | Pineapple Crush | | | | | | | |
| Riviera Blue Splash | Waller Flowerseed Company | | | Y | | | | | | | | |
| Riviera Lilac | Waller Flowerseed Company | | | Y | | | | | | | | |
| MARI GOLD | | | | | Improved | | | | | | | |
| Aurora Orange | Waller Flowerseed Company | | | Y | Polynema | | | | | | | |
| Aurora Yellow Fire | Goldsmith Seeds, Inc. | | | | Pumpkin Crush | | | | | | | |
| Bonanza Yellow | Denholm Seeds | | | | Improved | | | | | | | |
| Disco Flame | John Bodger and Sons Company | | | | Safari Bolero | | | | | | | |
| Disco Golden Yellow | John Bodger and Sons Company | | | | | | | | | | | |
| Disco Orange | John Bodger and Sons Company | | | | Safari Tangerine | | | | | | | |
| Hero Flame | John Bodger and Sons Company | | | | Safari Yellow | | | | | | | |
| Hero Gold | John Bodger and Sons Company | | | | Scarlet Sophia | | | | | | | |
| Hero Harmony | John Bodger and Sons Company | | | | Xantho-Orange | | | | | | | |
| Hero Orange | John Bodger and Sons Company | | | | MEADOWFOAM | | | | | | | |
| Hero Red | John Bodger and Sons Company | | | | Floral | | | | | | | |
| Hero Yellow | John Bodger and Sons Company | | | | | | | | | | | |
| Janie Bright Yellow | Goldsmith Seeds, Inc. | | | | | | | | | | | |
| Janie Deep Orange | Waller Flowerseed Company | | | | | | | | | | | |
| Janie Flame | Goldsmith Seeds, Inc. | | | | | | | | | | | |
| Janie Primrose | Waller Flowerseed Company | Y (*) | | | | | | | | | | |
| Janie Tangerine | Goldsmith Seeds, Inc. | | | | | | | | | | | |
| Little Hero Flame | John Bodger and Sons Company | Y | | | | | | | | | | |
| | MUSKMELON | | | | | | | | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT | V (GEN.) | 1994 PVPA | VARIETY | APPLICANT | V (GEN.) | 1994 PVPA |
|--------------------|--|-----------|-------------------------|--|----------------|--------------|---------|-----------|-------------|--------------|
| Aurora | Alabama Agricultural Experiment Station, Department of Horticulture | OAT | Coker 820 Dane | Northrup King Company Wisconsin Agricultural Experiment Station | Y (3) Y (2) | | | | | |
| Earlibush Crenshaw | Kansas State University Research Foundation | | Ensiler | Wisconsin Agricultural Experiment Station | Y (2) | | | | | |
| Marathon | Northrup King Company | | Hercules | Pennsylvania Agricultural Experiment Station and USDA-ARS | Y (3) | | | | | |
| Musketeer | Northrup King Company | | | Wisconsin Agricultural Experiment Station | Y (2) | | | | | |
| PMR 45 Full Net | Shamrock Seed Company, Inc. | | | Northrup King Company | Y (2) | | | | | |
| Stephanie | Rogers Seed Company | IN09201 | | Purdue University Agricultural Experiment Station | | | | | | |
| Sunglo Casaba | Gro-Pro Enterprises, Inc. | | | NDSU Research Foundation, ND Agricultural Experiment Station | | | | | | |
| Sweet April | Robert E. and Lissa C. Mourey | | Jerry | H. L. Umlauf | Y (*) | | | | | |
| Sweet Delight | Hollar Seeds, Inc. | | | Frederick B. Ledebuer | | | | | | |
| Top Net SR | Harris Moran Seed Company | | | Northrup King Company | Y (3) | | | | | |
| 811 | Arkansas County Seed Company, Inc. | | | Douglass W. King Company | Y (3) | | | | | |
| 833 | Arkansas County Seed Company, Inc. | | | Minnesota Agricultural Experiment Station | Y (3) | | | | | |
| 871 | Arkansas County Seed Company, Inc. | | | North Dakota Agricultural Experiment Station | Y (3) | | | | | |
| Armor | Ohio Agricultural Research and Development Center, Ohio State University | | | North Dakota Agricultural Experiment Station | Y (3) | | | | | |
| Bay | Wisconsin Agricultural Experiment Station | | | ND Agricultural Experiment Station | | | | | | |
| Belle | Wisconsin Agricultural Experiment Station | | | Experiment Station | | | | | | |
| Benson | Minnesota Agricultural Experiment Station | | | Pennsylvania Agricultural Experiment Station and USDA-ARS | | | | | | |
| Big Mac | Northrup King Company | | | Purdue University Agricultural Experiment Station | | | | | | |
| Brawn | University of Illinois | | | Wisconsin Agricultural Experiment Station | | | | | | |
| Celsia | Cebeco Zaden B.V. | | | Wisconsin Agricultural Experiment Station | | | | | | |
| Centennial | Wisconsin Agricultural Experiment Station | | | Minnesota Agricultural Experiment Station | | | | | | |
| Charisma | Crop and Food Research Ltd. | | | Minnesota Agricultural Experiment Station | | | | | | |
| | | | | Experiment Station | | | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V 1994 PVPA | KIND VARIETY | V (GEN.) | V 1994 PVPA | APPLICANT | TITLE (GEN.) | V 1994 PVPA | KIND VARIETY | V (GEN.) | V 1994 PVPA |
|---|--|-------------------|-----------------|-------------|-------------------|--|-----------------|-------------------|--|-------------|-------------------|
| OAT | Southern States 76-30 Starter | Y (3) | ONION | Y (3) | Y | New Mexico Agricultural Experiment Station | Y (3) | Y | Numex Casper | Y (3) | Y |
| | Minnesota Agricultural Experiment Station | Y (3) | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Centric | Y (3) | Y |
| Whitestone | NDSU Research Foundation, ND Agricultural Experiment Station | Y | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Crispy | Y (3) | Y |
| Yeats | North Carolina Agricultural Research Service and USDA-ARS | Y (3) | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Dulce | Y (3) | Y |
| OKRA | Cajun Queen Prelude | Y (3) | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Luna | Y (3) | Y |
| | ONION Cardinal | Y (3) | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Mesa | Y (3) | Y |
| Caribou-19 | Shamrock Seed Company, Inc. | Y (3) | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Starlite | Y (3) | Y |
| Contessa | Seminis Vegetable Seeds, Inc. | Y (3) | | | | New Mexico State University Agricultural Experiment Station | Y (3) | Y | Numex Vado | Y (3) | Y |
| Corona Italian Red Crystal Wax Pickling Dorada Dynasty | Mr and Mrs James Corona Sunseeds Company Texas Agricultural Experiment Station Shamrock Seed Company, Inc. | Y (3) | | | | Harris Moran Seed Company Sunseeds Company Texas Agricultural Experiment Station | Y (3) | Y | Omo M Paradise Perla | Y (3) | Y |
| Early Grand PRR Emerald Isle | Red Pinoy Red Robins PRR 95 | Y (3) | | | | Hortigen B.V. A.M. Dessert and B.M. Domingo | Y | Y | Red Star Redbone | Y (3) | Y |
| Everest | Red Star Redbone | Y (3) | | | | Petoseed Company, Inc. Seminis Vegetable Seeds, Inc. | Y | Y | Sunseeds Company Seminis Vegetable Seeds, Inc. | Y (3) | Y |
| Glory IBEX | Sunseeds Company Shamrock Seed Company, Inc. | Y (3) | | | | Serrana | Y | Y | Regal Regia | Y (3) | Y |
| La Joya | Seminis Vegetable Seeds, Inc. | Y (3) | | | | SSC 0020 | Y | Y | Shamrock Seed Company, Inc. | Y (3) | Y |
| Lumina | Shamrock Seed Company, Inc. | Y (3) | | | | Harris Moran Seed Company | Y | Y | Mission Star | Y (3) | Y |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND | VARIETY | APPLICANT | TITLE | V | 1994 | KIND | (GEN.) | PVPA | VARIETY |
|---------------------|--------------------|---|-------|------|------|------|--------|------|---------|
| ONION | Sweet Winter White | Sunseeds Company Texas Agricultural Experiment Station | PEA | Alfi | | | | | |
| | Texas Grano 1015Y | Rogers Brothers Seed Company | | | | | | | |
| | Texas Grano 1025Y | Seminis Vegetable Seeds, Inc. | | | | | | | |
| | Texas Grano 1030Y | Nunhems Zaden B.V. | | | | | | | |
| | Texas Grano 1105Y | Pure Line Seeds, Inc. | | | | | | | |
| | Texas Grano 438 | Seminis Vegetable Seeds, Inc. | | | | | | | |
| ORCHARDGRASS | Texspan PRR | Wilbur-Ellis Company | | | | | | | |
| AMBROSIA | | Seminis Vegetable Seeds, Inc. | | | | | | | |
| Benchmark | | W. Brotherton Seed Company, Inc. | | | | | | | |
| Elsie | | Nunhems Zaden B.V. | | | | | | | |
| Grasslands Tekapo | | Seminis Vegetable Seeds, Inc. | | | | | | | |
| Justus | | Gallatin Valley Seed Company | | | | | | | |
| Mobite | | Ardie G. Gustafson, Seedsman | | | | | | | |
| | | Seminis Vegetable Seeds, Inc. | | | | | | | |
| Satin | | W. Brotherton Seed Company | | | | | | | |
| Summer Green | | Pure Line Seeds, Inc. | | | | | | | |
| PARSNIP | Andover | Crites-Moscow Growers, Inc. | | | | | | | |
| | | Bonnaire Seminis Vegetable Seeds, Inc. | | | | | | | |
| PEA | | Gallatin Valley Seed Company | | | | | | | |
| 260 | | Bounty Seminis Vegetable Seeds, Inc. | | | | | | | |
| 265 | | Cabree Seminis Vegetable Seeds, Inc. | | | | | | | |
| 77 Early Perfection | | Gallatin Valley Seed Company | | | | | | | |
| 9000 Freezer | | Rogers Brothers Seed Company | | | | | | | |
| Aim | | Aladdin Alcan | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

ELGIN VASCULAR PROBLEMS - CERTIFICATE
(Through April 13, 1998)

TITLE V 1994
(GEN.) PVPA

| IND VARIETY | APPLICANT | TITLE (GEN.) | V PVP.A. | 1994 KIND (GEN.) | VARIETY | PEA |
|-------------------|---|-----------------|-------------|------------------------|---|-----|
| | | | | | | EA |
| Captain Caselode | Nunhems Zaden B.V. W. Brotherton Seed Co., Inc. | Ego | Y | Elegance | Gallatin Valley Seed Company Seminis Vegetable Seeds, Inc. | |
| Ceras | Seminis Vegetable Seeds, Inc. | | | Encore | Seminis Vegetable Seeds, Inc. | |
| Challis | Crites-Moscow Growers, Inc. | | | Envy | Seminis Vegetable Seeds, Inc. | |
| Citadel | Seminis Vegetable Seeds, Inc. | | | Epic | Rogers Brothers Seed Company Seminis Vegetable Seeds, Inc. | |
| Classicgreen | Rogers Seed Company | Y | Y | Everett | Gallatin Valley Seed Company Seminis Vegetable Seeds, Inc. | |
| Darien | Seminis Vegetable Seeds, Inc. | | | Filly | Rogers Brothers Seed Company Seminis Vegetable Seeds, Inc. | |
| Daybreak | Gallatin Valley Seed Company | | | Flair | Frontier | |
| Delsey | Rogers NK Seed Company | Y | Y | Fridgit | Wisconsin Crop Improvement Association | |
| Dew | Seminis Vegetable Seeds, Inc. | | | Fristo | Seminis Vegetable Seeds, Inc. | |
| Dignity | Gallatin Valley Seed Company | | | Frolic | Rogers Brothers Seed Company | |
| DMC 50-02 | Rogers NK Seed Company | | | Gain | Gain | |
| DMC 50-04 | Seminis Vegetable Seeds, Inc. | | | Galasweet | Gallatin Valley Seed Company | |
| DMC 50-05 | Crites-Moscow Growers, Inc. | | | Genie | Rogers Brothers Seed Company | |
| DMC 50-21 | Del Monte Corporation | | | Goya | Seminis Vegetable Seeds, Inc. | |
| DMC 50-26 | Del Monte Corporation | | | Headliner | Gallatin Valley Seed Company | |
| DMC 50-27 | Del Monte Corporation | | | Honey Pod | Rogers Brothers Seed Company | |
| DMC 50-33 | Del Monte Corporation | | | | Rogers Seed Co. | |
| DMC 50-60 | Del Monte Corporation | | | | Rogers NK Seed Company | |
| DMC 50-63 | Del Monte Corporation | | | | Crites-Moscow Growers, Inc. | |
| DMC 50-68 | Del Monte Corporation | | | | | |
| DMC 50-70 | Del Monte Corporation | | | | | |
| DMC 50-74 | Del Monte Corporation | | | | | |
| DMC 50-80 | Del Monte Corporation | | | | | |
| Dual | Seminis Vegetable Seeds, Inc. | | | | | |
| Early Freezer 680 | Gallatin Valley Seed Company | | | | | |
| Early Sweet #9 | Gallatin Valley Seed Company | | | | | |
| Early Sweet 41 | Pure Line Seeds, Inc. | | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V | 1994 PVPA | KIND VARIETY | TITLE (GEN.) | V | 1994 PVPA |
|----------------------|---|-----------------------------|--------------|---|-----------------|---|--------------|
| PEA | van Waveren Pflanzenzucht | PEA | Now | Seminis Vegetable Seeds, Inc. | | | |
| Jupiter | Rogers Brothers Seed Company | Opal Orcas | | Wilbur-Ellis Company W. Brotherton Seed Company, Inc. | | | |
| Kalamo | Seminis Vegetable Seeds, Inc. | Y | | Seminis Vegetable Seeds, Inc. | | | |
| Karisma | Seminis Vegetable Seeds, Inc. | | | Y | | | |
| Karl-Evert Krilla | NESTEC S.A. seminis Vegetable Seeds, Inc. | Passport Payload | | Rogers Seed Company Seminis Vegetable Seeds, Inc. | | | |
| Lacy Lady | Musser Seed Company, Inc. Seminis Vegetable Seeds, Inc. | Perk | | Seminis Vegetable Seeds, Inc. | | | |
| Lazor | L. D. Maffei Seed Company, Inc. | PJ 7625 Plus | | Rogers NK Seed Company Seminis Vegetable Seeds, Inc. | | | |
| Leah | Seminis Vegetable Seeds, Inc. | | | Nunhems Zaden B.V. Rogers Brothers Seed Company | | | |
| Mariner MC-201 | Rogers NK Seed Company L. D. Maffei Seed Company, Inc. | Point Polaris | | van Waveren Pflanzenzucht GmbH. | | | |
| Mendota | Rogers Brothers Seed Company | Premium | | Seminis Vegetable Seeds, Inc. | | | |
| Menlo | W. Brotherton Seed Company, Inc. | Pronto | | Crites-Moscow Growers, Inc. | | | |
| Menuet | Seminis Vegetable Seeds, Inc. | Quad | | Quantum | | | |
| Methow | Quest | | | Y | | | |
| MF-502 | | | | | | | |
| Micro | | | | | | | |
| Midget | Rampart | | | | | | |
| Misty | Wilbur-Ellis Company Pure Line Seeds, Inc. | | | | | | |
| Nomad | Rogers Brothers Seed Company | Reco Revolution Saber | | | | | |
| Nordic | Rogers NK Seed Company Rogers NK Seed Company Rogers Brothers Seed Company | | | | | | |
| Northstar | | | | | | | |
| Novella II | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

(Through April 13, 1998)

(Through April 13, 1998)

APPLICANT
TITLE V 1994
(GEN.) PVPA

| TITLE (GEN.) | V 1994 | KIND PVPA | VARIETY |
|-----------------|-----------|--------------|---------|
|-----------------|-----------|--------------|---------|

APPLICANT

(*) No limit to the number of generations of certified seed beyond breeders seed.

**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

(Through April 13, 1998)

TITLE V 1 E

| TITLE V (GEN.) | KIND VARIETY | APPLICANT | VARIETY | KIND VARIETY | APPLICANT | VARIETY |
|---|---|--|------------------|--|---|---|
| PEA, FIELD Miranda Othello Princess Renata Ricardo Solarra SV Victoria Tremont Scotch | Cebeco Zaden B.V. Cebeco Zaden B.V. Wilbur-Ellis Company Cebeco Zaden B.V. Cebeco Zaden B.V. Cebeco Zaden B.V. Svalof AB Campbell Soup Company, Campbell Institute for Research and Technology | Y (3) Y (3) NC 10C Y (1) Y (3) Y (3) Y (3) NC 12C NC 9 | PEANUT Marc I | Y (3) | Florida Agricultural Experiment Station North Carolina Agricultural Research Service North Carolina Agricultural Research Service | Y (3) |
| PEA, FLAT Tinga | Terramax Corporation, Canada | Y (4) | NC-V11 | PEANUT State of Israel/Ministry of Agriculture, Agricultural Research Organization, The Volcani Center | Y (3) | North Carolina Agricultural Research Service |
| PEANUT 127 458 | Agratech Seeds Inc. James Sutton, Mycogen Corporation Gordon Patterson, Hershey Foods Corporation | Y (3) Y (3) | Shosh | PEANUT Southern Runner | Y (3) | State of Israel/Ministry of Agriculture, Agricultural Research Organization, The Volcani Center |
| AD-1 Andru 93 | J. Ashley Darden Florida Agricultural Experiment Station | Y (3) Y (3) | SunOleic 95R | PEANUT Florida Agricultural Experiment Station, University of Florida | Y (3) | Florida Agricultural Experiment Station, University of Florida |
| AT 108 AT 120 AT225 High Oleic David | Agratech Seeds Inc. Agratech Seeds Inc. Agratech Seeds Inc. State of Israel/Ministry of Agriculture, Agricultural Research Organization, The Volcani Center | Y (3) Y (3) Y (3) Y (3) | VA-C 97R | PEANUT SunOleic 97R | Y (3) | University of Fla. Agric. Expt. Sta. |
| GC-7 K-29 KH20 | Georgia Browne Georgia Green Georgia Runner James T. Keel Kenneth F. Hughes | VC-1 PEPPER 90-3083 Alpha II Bell-Sweet | Y (3) | PEANUT Rogers Seed Company Nestle S.A. DNA Plant Technology Corporation Petoseed Company, Inc. | Y (3) | Petoseed Company, Inc. Del Monte Corporation Del Monte Corporation Del Monte Corporation |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(through April 13, 1998)

TITLE V 1994
(GEN.) PVPA
VARIETY APPLICANT

| KIND . VARIETY | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT |
|-----------------------|-----------------------------------|---|---|---|
| PEPPER | DMC 56-53 DMC 56-54 Hidalgo | Del Monte Corporation Del Monte Corporation Texas Agricultural Experiment Station | PUMPKIN Dill's Atlantic Giant Goldilocks Happy Howden Biggie Lumina | Howard Dill Enterprises, Ltd. Musser Seed Company, Inc. Jennie Catherine Brush Howden Farm Hollar Seed Company; Geo. Perry and Sons |
| Jupiter | Loribelle | Northrup King Company | | Y |
| Merced | Ole | Brinker Orsetti Seed Company, Inc. | | Y |
| Orange Cayenne | Prima Belle | Harris Moran Seed Company | PUMPKIN Tom Fox | Johnny's Selected Seeds |
| Red Savina | Red Savina | Harris Moran Seed Company | RADISH (*) | Harris Moran Seed Company Alf Christianson Seed |
| Sonora Anaheim | Sonora Anaheim | Tommy Bolack Sunseeds Company | RADISH Plum Purple | Company |
| TAM Veracruz | TAM Veracruz | Frank Garcia, Jr. | | Northrup King Company |
| Tambel-2 | Vegi-Sweet | Petoseed Company, Inc. | | Harris Moran Seed Company |
| Vlacini | | Texas Agricultural Experiment Station | | Alf Christianson Seed |
| PHILOX, ANNUAL | | Texas Agricultural Experiment Station | | Company |
| Palona Carmine | | DNA Plant Technology | | Al112 |
| Palona Deep Rose | | Campbell Soup Company, | RADISH, FODDER | Ameri-Can Pedigreed Seed |
| Palona Deep Salmon | | Campbell Institute for | Adagio | Company |
| Palona Light Salmon | | Research and Technology | Viking | University of Idaho |
| Palona White | | Corporation | RAPE | Ameri-Can Pedigreed Seed |
| Palona White with Eye | | Campbell Soup Company, | | University of Idaho |
| PRIMROSE, EVENING | Merlin | Campbell Institute for | | University of Idaho |
| | | Research and Technology | | Svalof AB |
| | Rigel | Scotia Pharmaceuticals Ltd. | | Calgene, Inc. and King |
| PUMPKIN | Baby Bear | Scotia Pharmaceuticals Ltd. | | Grain, Inc. |
| | Baby Boo | | | Svalof AB |
| | Bushkin | | | Y (2) |
| | | | | W. Weibull AB |
| | | | | Calgene, Inc. and King |
| | | | | Grain, Inc. |
| | | | | Y (2) |
| | | | | W. Atlee Burpee Company |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994 KIND
(GEN.) PVPA VARIETY
KIND VARIETY APPLICANT

| KIND | VARIETY | APPLICANT | TITLE V 1994 KIND (GEN.) PVPA VARIETY | APPLICANT | TITLE V 1994 KIND (GEN.) PVPA VARIETY | APPLICANT |
|------------------|---|-----------|---|-----------|--|-----------|
| RAPE | | RICE | California Cooperative Rice Research Foundation, Inc. | Y (3) | | |
| Glacier | Svalof AB | Y (2) | | | | |
| Global | Svalof AB | Y (2) | | | | |
| Humus | University of Idaho | Y (2) | | | | |
| IMC 01 | Cargill Incorporated | Y (*) | | | | |
| IMC 02 | Cargill Incorporated | Y (*) | M-203 | | | |
| IMC 129 | Cargill Incorporated | Y (*) | | | | |
| IMC 130 | Cargill Incorporated | Y (*) | | | | |
| IMC 144 | Cargill Incorporated | Y (*) | | | | |
| Legend | Svalof AB | Y (2) | | | | |
| LEI III | University of Idaho | Y (2) | | | | |
| Lindora-00 | Canola, Inc. | Y (2) | | | | |
| Lirabon-00 | Cargill, Inc. | Y (2) | | | | |
| Liradonna | Agripro Seeds, Inc. | Y (3) | | | | |
| Printol | Cargill, Inc. | Y (2) | | | | |
| Rebel | University of Idaho | Y (2) | | | | |
| Topas | Svalof AB | Y (2) | | | | |
| Viking | L. Daehnfeldt, Inc. | Y (3) | | | | |
| REED CANARYGRASS | Research Seeds, Inc. | Y (3) | | | | |
| Palaton | Research Seeds, Inc. | Y (3) | | | | |
| Venture | | | | | | |
| RICE | | | | | | |
| Amylo 17 | Mitsubishi Chemical Corporation, Mitsubishi Corporation | Y (*) | S-101 | | | |
| California Belle | N. F. Davis Drier and Elevator, Inc. | Y (3) | | | | |
| Calpearl | N. F. Davis Drier and Elevator, Inc. | Y (3) | S-102 | | | |
| CB-801 | Farms of Texas Company | Y (3) | | | | |
| Denosa | Hisparroz, S.A. | Y (3) | | | | |
| Donana | Hisparroz, S.A. | Y (3) | | | | |
| Hareyaka | Mitsubishi Kasei Corporation, Mitsubishi Corporation | Y (3) | | | | |
| Isla | Hisparroz, S.A. | Y (3) | | | | |
| KR4 | Rice Researchers, Inc. | Y | SP311 | | | |
| KRM-2 | Rice Researchers, Inc. | Y | | | | |
| L-203 | California Cooperative Rice Research Foundation, Inc. | Y (3) | | | | |
| | Sumirice II | Y | | | | |
| | Sumitomo Chemical Company, Ltd. | Y | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

TITLE V 1994
(GEN.) PVPA
APPLICANTTITLE V 1994 KIND
(GEN.) PVPA VARIETY

| KIND VARIETY | APPLICANT | VARIETY |
|---|---|---|
| RICE V4716 V7713 V7817 | Farms of Texas Company Farms of Texas Company Ricetec Seed Inc. (Farms of Texas Company) | RYEGRASS, ANNUAL Tachimasari Ltd. |
| Valencia 87 | N. F. Davis Drier and Elevator, Inc. Mitsubishi Chemical Corporation and Mitsubishi Corporation | TAM 90 TT-80 Urbana WA-77 |
| RYE Spooner | Wisconsin Agricultural Experiment Station | RYEGRASS, PERENNIAL 246 2DF 856 Accolade |
| RYEGRASS (LOLIUM X HYBRIDUM) 3CN Agree Bison Oregreen Polly | Pure-Seed Testing, Inc. Pure-Seed Testing, Inc. International Seeds, Inc. Pure-Seed Testing, Inc. L. Daehnfeldt, Inc. | All*Star Allaire Amazon Y (1) |
| RYEGRASS, ANNUAL Caramba Comet | Mommersteeg International B.V. Williamette Seed Company, Inc. | Barball Barclay Barrage Barry Belle Bianca Birdie II Blazer Blazer II Caliente Willamette Seed Company, Inc. |
| Jackson Marshall Max Multimo RustMaster Sakura-Wase Southern Star Surrey | Mississippi Agricultural and Forestry Experiment Station Mississippi Agricultural and Forestry Experiment Station Willamette Seed Company, Inc. Mommersteeg International B.V. L. Daehnfeldt, Inc. Snow Brand Seed Company Ltd. Forbes Seed and Grain, Inc. Florida Agricultural Experiment Station | Calypso The O. M. Scott and Sons Company Charger Citation II Commander Competitor Cowboy Crown B.V. |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | VARIETY | KIND VARIETY | TITLE (GEN.) | V PVPA | VARIETY |
|----------------------------|---------------------------------|-----------|---------------------|-----------------|---|-----------|---------|
| RYEGRASS, PERENNIAL | | | | | | | |
| Cutless | International Seeds, Inc. | | RYEGRASS, PERENNIAL | Repell | Lofts Seed, Inc. | | |
| Dandy | R. H. Bailey Seed, Inc. | | | Riviera | Pickseed West Inc. | | |
| Dasher | Pickseed West Inc. | | | Saturn | Pure-Seed Testing, Inc. | | |
| Dasher II | Pickseed West Inc. | | | Seville | R. J. Peterson | | |
| Delray | NK Lawn and Garden Company | | | SR 4000 | Enterprises, Inc. | | |
| Dillon | International Seeds, Inc. | | | SR 4000 | Seed Research of Oregon, Inc. | | |
| Dimension | Pure-Seed Testing, Inc. | | | SR 4100 | Seed Research of Oregon, Inc. | | |
| Elka | Cebeco Zaden B.V. | | | | KWS-AG | | |
| Fantoom | Mommersteeg International B.V. | | | | Cebeco Zaden B.V. | Y (3) | |
| Fiesta | Pickseed West Inc. | | | | Sharon K. Jones | | |
| Fiesta II | Pickseed West Inc. | | | | D.J. van der Have B.V. | | |
| Friend | Snow Brand Seed Company Ltd. | | | | International Seeds, Inc. | | |
| Gator | International Seeds, Inc. | | | | New Zealand Agriseeds Ltd. | Y (3) | |
| Goalie | NK Lawn and Garden Company | | | | | | |
| Jazz | Pure-Seed Testing, Inc. | | | SAFFLOWER | Adams Seed Company | | |
| Lindsay | International Seeds, Inc. | | | AG 1029 | Cal/West Seeds | | |
| Lorina | Saatzucht Steinach GmbH. | | | C/W 1221 | Cal/West Seeds | | |
| Manhattan II | Pure-Seed Testing, Inc. | | | C/W 88-OL | Cal/West Seeds | | |
| Mondial | Mommersteeg International B.V. | | | C/W-4440 | Research and Development | Y (*) | |
| Nova | International Seeds, Inc. | | | Centennial | Institute, Inc. | | |
| Omega II | Pure-Seed Testing, Inc. | | | Erlin | Research and Development | Y (*) | |
| Ovation | Mommersteeg International B.V. | | | Montola 2001 | Institute, Inc. | | |
| Palmer | Lofts Seed, Inc. | | | Montola-2000 | Research and Development | Y (*) | |
| Pebble Beach | Pure-Seed Testing, Inc. | | | | Institute, Inc. | | |
| Pennant | Agriculture Service Corporation | | | | Research and Development | Y (1) | |
| Pinnacle | Normarc, Inc. | | | | Institute, Inc. | | |
| Pleasure | Pickseed West Inc. | | | | Montana Agricultural Experiment Station | | |
| Prelude | Lofts Seed, Inc. | | | | Montana Agricultural Experiment Station | Y (*) | |
| Premier | NPI Seed Inc. | | | | SeedTec International, Inc. | Y (3) | |
| Ranger | D.J. van der Have B.V. | | | | SeedTec International, Inc. | Y (3) | |
| Regal | International Seeds, Inc. | | | | | | |
| Regency | Pure-Seed Testing, Inc. | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

| KIND VARIETY | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY |
|-----------------|--|-----------|-------------------------------------|
| SAFFLOWER S-518 | SeedTec International, Inc. | Y (3) | SORGHUM PH333 |
| S-553 | SeedTec International, Inc. | | Pioneer Hi-Bred International, Inc. |
| S-555 | SeedTec International, Inc. | | Pioneer Hi-Bred International, Inc. |
| S-710 | SeedTec International, Inc. | Y (3) | Pioneer Hi-Bred International, Inc. |
| S-730 | SeedTec International, Inc. | Y (3) | Pioneer Hi-Bred International, Inc. |
| SESAME | | | Pioneer Hi-Bred International, Inc. |
| Sesaco 2A | Sesaco Corporation | Y | PH352 |
| Sesaco 3 | Sesaco Corporation | | PH355 |
| Sesaco 4 | Sesaco Corporation | | |
| Sesaco 7 | Sesaco Corporation | | |
| SORGHUM A8087C | Cargill, Inc. Holden's Foundation Seeds, Inc. | Y (3) | PH410 |
| HP150 | Pioneer Hi-Bred International, Inc. | | PH449 |
| PH227 | Pioneer Hi-Bred International, Inc. | | PH479 |
| PH232 | Pioneer Hi-Bred International, Inc. | | PH482 |
| PH256 | Pioneer Hi-Bred International, Inc. | | PH499 |
| PH257 | Pioneer Hi-Bred International, Inc. | | PH522 |
| PH288 | Pioneer Hi-Bred International, Inc. | | PH531 |
| PH289 | Pioneer Hi-Bred International, Inc. | | PH549 |
| PH308 | Pioneer Hi-Bred International, Inc. | | PH562 |
| PH309 | Pioneer Hi-Bred International, Inc. | | PH579 |
| PH310 | Pioneer Hi-Bred International, Inc. | | PH582 |
| PH328 | Pioneer Hi-Bred International, Inc. | | PH586 |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND | VARIETY | TITLE (GEN.) | V PVPA | KIND V PVPA | VARIETY | APPLICANT | V PVPA | TITLE 1994 (GEN.) | V 1994 PVPA |
|-------------|--|-----------------|-----------|-------------------------------------|---------|-------------------------------------|-----------|-------------------------|-------------------|
| SORGHUM | | | | SOYBEAN | | | | | |
| R145 | Northrup King Company | 6847 | | Northrup King Company | | Northrup King Company | | | |
| R159 | Northrup King Company | 6925 | | Northrup King Company | | Northrup King Company | | | |
| 0877 | Pioneer Hi-Bred International, Inc. | 6955 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 1082 | Pioneer Hi-Bred International, Inc. | 6995 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 1282 | Pioneer Hi-Bred International, Inc. | 71229-31008 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 2180 | Pioneer Hi-Bred International, Inc. | 9007 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 2400 | Northrup King Company | 9008 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 2480 | Pioneer Hi-Bred International, Inc. | 90210-30266 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 293 | FFR Cooperative | 90339-30435 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 29725K | Latham Seed Company | 9041 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 2981 | Pioneer Hi-Bred International, Inc. | 9042 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 3172 | Ciba-Geigy Corporation, Seeds Division | Y | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 3202 | Ciba-Geigy Corporation, Seeds Division | 9061 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 3311 | Ciba-Geigy Corporation, Seeds Division | 9062 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 3481 | Pioneer Hi-Bred International, Inc. | 9091 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 34870 | Latham Seed Company | 9092 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 3580 | Pioneer Hi-Bred International, Inc. | 9111 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 3615 | Ciba-Geigy Corporation, Seeds Division | 9121 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 38735L | Latham Seed Company | 9131 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 5050 | Jacob Hartz Seed Company, Inc. | 9141 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 5482 | Pioneer Hi-Bred International, Inc. | 9161 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 60524-30575 | Midwest Oilseeds, Inc. | 9162 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 6727 | Northrup King Company | 9171 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |
| 6738 | Northrup King Company | 6738 | | Pioneer Hi-Bred International, Inc. | | Pioneer Hi-Bred International, Inc. | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

APPPLICANT
TITLE V 1994
(GEN.) PVPA

| KIND | VARIETY | APPLICANT | TITLE | V (GEN.) | 1994 PVPA | KIND VARIETY |
|---------|---------|-------------------------------------|---------|-------------|--------------|-----------------|
| SOYBEAN | 9181 | Pioneer Hi-Bred International, Inc. | SOYBEAN | 9303 | | |
| | 9191 | Pioneer Hi-Bred International, Inc. | | 9304 | | |
| | 9201 | Pioneer Hi-Bred International, Inc. | | 9311 | | |
| | 9202 | Pioneer Hi-Bred International, Inc. | | 9312 | | |
| | 9204 | Pioneer Hi-Bred International, Inc. | | 9321 | Y | |
| | 9221 | Pioneer Hi-Bred International, Inc. | | 9331 | | |
| | 9231 | Pioneer Hi-Bred International, Inc. | | 9341 | | |
| | 9232 | Pioneer Hi-Bred International, Inc. | | 9342 | | |
| | 9241 | Pioneer Hi-Bred International, Inc. | | 9351 | | |
| | 9242 | Pioneer Hi-Bred International, Inc. | | 9361 | Y | |
| | 9251 | Pioneer Hi-Bred International, Inc. | | 9362 | | |
| | 9252 | Pioneer Hi-Bred International, Inc. | | 9381 | | |
| | 9271 | Pioneer Hi-Bred International, Inc. | | 9391 | | |
| | 9272 | Pioneer Hi-Bred International, Inc. | | 9392 | | |
| | 9273 | Pioneer Hi-Bred International, Inc. | | 9393 | | |
| | 9281 | Pioneer Hi-Bred International, Inc. | | 9394 | Y | |
| | 9292 | Pioneer Hi-Bred International, Inc. | | 9402 | | |
| | 9293 | Pioneer Hi-Bred International, Inc. | | 9411 | | |
| | 9301 | Pioneer Hi-Bred International, Inc. | | 9441 | | |
| | 9302 | Pioneer Hi-Bred International, Inc. | | 9442 | | |

(*) No limit to the number of generations of certified seed beyond breeders seed

**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

(Through April 13, 1998)

APPLICANT
TITLE V 1994
(GEN.) PVPA

(*) No limit to the number of generations of certified seed beyond breeders seed.

TITLE V 1994 APPLICANT
(GEN.) PVPATITLE V 1994 KIND
(GEN.) PVPA VARIETY

| KIND | VARIETY | APPLICANT | VARIETY | TITLE V 1994 | KIND | APPLICANT | VARIETY | TITLE V 1994 | KIND | APPLICANT | VARIETY |
|---------|---------|---------------------|---------|--------------|---------|---|---------|--------------|---------|---|---------|
| SOYBEAN | A3205 | Asgrow Seed Company | Alpha | SOYBEAN | A6242 | Asgrow Seed Company | Y | SOYBEAN | A6242 | Asgrow Seed Company | Y |
| | A3237 | Asgrow Seed Company | | | A6297 | Asgrow Seed Company | Y | | A6297 | Asgrow Seed Company | Y |
| | A3242 | Asgrow Seed Company | | | A6381 | Asgrow Seed Company | Y | | A6381 | Asgrow Seed Company | Y |
| | A3304 | Asgrow Seed Company | | | A6520 | Asgrow Seed Company | Y | | A6520 | Asgrow Seed Company | Y |
| | A3307 | Asgrow Seed Company | | | A6711 | Asgrow Seed Company | Y | | A6711 | Asgrow Seed Company | Y |
| | A3313 | Asgrow Seed Company | | | A6785 | Asgrow Seed Company | Y | | A6785 | Asgrow Seed Company | Y |
| | A3322 | Asgrow Seed Company | | | A6961 | Asgrow Seed Company | Y | | A6961 | Asgrow Seed Company | Y |
| | A3415 | Asgrow Seed Company | | | A7258 | Asgrow Seed Company | Y | | A7258 | Asgrow Seed Company | Y |
| | A3420 | Asgrow Seed Company | | | A7372 | Asgrow Seed Company | Y | | A7372 | Asgrow Seed Company | Y |
| | A3427 | Asgrow Seed Company | | | A7986 | Asgrow Seed Company | Y | | A7986 | Asgrow Seed Company | Y |
| | A3431 | Asgrow Seed Company | | | Agassiz | Minnesota Agricultural Experiment Station | Y (3) | | Agassiz | Minnesota Agricultural Experiment Station | Y (3) |
| | A3501 | Asgrow Seed Company | | | | Experiment Station | | | | Experiment Station | |
| | A3510 | Asgrow Seed Company | | | | Minnesota Agricultural Experiment Station | | | | Minnesota Agricultural Experiment Station | |
| | A3511 | Asgrow Seed Company | | | | | | | | | |
| | A3733 | Asgrow Seed Company | | | | | | | | | |
| | A3803 | Asgrow Seed Company | | | | | | | | | |
| | A3935 | Asgrow Seed Company | | | | | | | | | |
| | A3966 | Asgrow Seed Company | | | | | | | | | |
| | A4009 | Asgrow Seed Company | | | | | | | | | |
| | A4045 | Asgrow Seed Company | | | | | | | | | |
| | A4138 | Asgrow Seed Company | | | | | | | | | |
| | A4271 | Asgrow Seed Company | | | | | | | | | |
| | A4341 | Asgrow Seed Company | | | | | | | | | |
| | A4393 | Asgrow Seed Company | | | | | | | | | |
| | A4539 | Asgrow Seed Company | | | | | | | | | |
| | A4595 | Asgrow Seed Company | | | | | | | | | |
| | A4715 | Asgrow Seed Company | | | | | | | | | |
| | A4906 | Asgrow Seed Company | | | | | | | | | |
| | A4997 | Asgrow Seed Company | | | | | | | | | |
| | A5149 | Asgrow Seed Company | | | | | | | | | |
| | A5308 | Asgrow Seed Company | | | | | | | | | |
| | A5403 | Asgrow Seed Company | | | | | | | | | |
| | A5545 | Asgrow Seed Company | | | | | | | | | |
| | A5560 | Asgrow Seed Company | | | | | | | | | |
| | A5843 | Asgrow Seed Company | | | | | | | | | |
| | A5885 | Asgrow Seed Company | | | | | | | | | |
| | A5939 | Asgrow Seed Company | | | | | | | | | |
| | A5979 | Asgrow Seed Company | | | | | | | | | |
| | A5980 | Asgrow Seed Company | | | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

(Through April 13, 1998)

| KIND | VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) |
|---------|------------------|--|-------------------|--------------|-----------------|--|-------------------|--------------|-----------------|-----------|-------------------|
| SOYBEAN | B095 | Northrup King Company | | | SOYBEAN | Virginia Polytechnic Camp | | | | | |
| | B117 | Northrup King Company | | | | Virginia Polytechnic Institute and State University | | | | | |
| | B152 | Northrup King Company | | | | Ohio Agricultural Research and Development Center, Ohio State | | | | | |
| | B203 | Northrup King Company | Century 84 | | | University | Y (*) | | | | |
| | B236 | Northrup King Company | | | | Illinois Agricultural Experiment Station | | | | | |
| | B242 | Northrup King Company | | | | Ohio Agricultural Research and Development Center, Ohio State | | | | | |
| | B335 | Northrup King Company | | | | University | Y (*) | | | | |
| | Bell | University of Illinois | | | | Illinois Agricultural Experiment Station | | | | | |
| | Bellatti-R-77-84 | Louis Bellatti | | | | Ohio Agricultural Research and Development Center, Ohio State | | | | | |
| | Bert | Minnesota Agricultural Experiment Station | | | | University | Y (3) | | | | |
| | Birch | Illinois Foundation Seeds, Inc. | | | | Ohio Agricultural Research and Development Center and USDA-ARS | | | | | |
| | Bradley | Curators of the University of Missouri | | | | Virginia Polytechnic Institute and State University | Y (3) | | | | |
| | Brim | North Carolina Agricultural Research Service and USDA-ARS | | | | University | Y (3) | | | | |
| | Bronson | Purdue University, Indiana Agricultural Experiment Station | | | | Northrup King Company | Y (3) | | | | |
| | BSR 201 | Iowa Agriculture and Home Economics Experiment Station | | | | Northrup King Company | Y (3) | | | | |
| | BSR 302 | Iowa Agriculture and Home Economics Experiment Station | | | | Northrup King Company | Y (3) | | | | |
| | BT 1422 | Ziller Seed Company, Inc. | | | | Northrup King Company | Y (3) | | | | |
| | BT 1790 | Ziller Seed Company, Inc. | | | | B. B. Collier-Barney A. Smith | Y (1) | | | | |
| | BT 2585 | Ziller Seed Company, Inc. | | | | Iowa Agriculture and Home Economics Experiment Station | Y (3) | | | | |
| | BT 2877 | Ziller Seed Company, Inc. | | | | Maryland Agricultural Experiment Station | Y (3) | | | | |
| | BT 2911 | Ziller Seed Company, Inc. | | | | Callahan Enterprises, Inc. | | | | | |
| | BT 2919 | Louisiana Agricultural Experiment Station | | | | Callahan Enterprises, Inc. | | | | | |
| | Buckshot 723 | Illinois Agricultural Experiment Station | | | | Callahan Enterprises, Inc. | | | | | |
| | Burlison | Kentucky Agricultural Experiment Station | | | | Callahan Enterprises, Inc. | | | | | |
| | Calhoun | Experiment Station | | | | Callahan Enterprises, Inc. | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

| KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY |
|-----------------|--------------------------------|-------------------|--------------|------------------|--------------------------------------|--|-----------------|-----------|--------------------------------------|--------------|-----------------|
| SOYBEAN CS38 | Callahan Enterprises, Inc. | | | SOYBEAN CX399 | DEKALB Plant Genetics Corporation | | | | DEKALB Plant Genetics Corporation | | |
| CS45 | Callahan Enterprises, Inc. | | | CX411 | DEKALB Genetics Corporation | | | | DEKALB Genetics Corporation | | |
| CX046 | DEKALB Genetics Corporation | Y | | CX434 | DEKALB Genetics Corporation | | | | DEKALB Genetics Corporation | | |
| CX121 | DEKALB Plant Genetics | | | | CX445 | DeKalb-Pfizer Genetics Corporation | | | | | |
| CX173 | DEKALB Genetics | | | | | DEKALB Plant Genetics | | | | | |
| CX205 | DEKALB Plant Genetics | Y | | | | DEKALB Plant Genetics | | | | | |
| CX210 | DEKALB Plant Genetics | | | | | DEKALB Plant Genetics | | | | | |
| CX228 | DEKALB Plant Genetics | Y | | | | DEKALB Genetics | | | | | |
| CX232 | DEKALB Genetics | | | | | Corporation | | | | | |
| CX248 | DEKALB Plant Genetics | | | | | Milburn Farms, Inc. | | | | | |
| CX252 | DEKALB Genetics | | | | | Minnesota Agricultural Experiment Station | | | | | |
| CX260c | DEKALB Genetics | | | | | Minnesota Agricultural Experiment Station | | | | | |
| CX267 | DEKALB Plant Genetics | | | | | Curators of the University of Missouri | | | | | |
| CX278 | DEKALB Genetics | | | | | Curators of the University of Missouri | | | | | |
| CX291 | DEKALB Plant Genetics | | | | | Curators of the University of Missouri | | | | | |
| CX298 | DeKalb-Pfizer Genetics | | | | | Curators of the University of Missouri | | | | | |
| CX313 | DEKALB Genetics | | | | | Curators of the University of Missouri | | | | | |
| CX314 | DEKALB Genetics | | | | | Curators of the University of Missouri | | | | | |
| CX329 | DEKALB Plant Genetics | | | | | Delta and Pine Land Company | | | | | |
| CX335 | DEKALB Genetics | | | | | Delta and Pine Land Company | | | | | |
| CX351 | DEKALB Genetics | | | | | Delta and Pine Land Company | | | | | |
| CX360 | DEKALB Genetics | | | | | Delta and Pine Land Company | | | | | |
| CX377 | DEKALB Plant Genetics | | | | | Delta and Pine Land Company | | | | | |
| CX394c | DEKALB Genetics | | | | | Delta and Pine Land Company | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT | 1994 (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT | 1994 (GEN.) | V PVPA |
|-----------------|---------------|---|-----------|-------------------------|--|----------------|-----------|-------------------------|--|----------------|-----------|
| SOYBEAN | Deltapine 675 | Delta and Pine Land Company | Y | DSR-120 | Dairyland Seed Company, Inc. | Y | (2) | DSR-155 | Dairyland Seed Company, Inc. | Y | (2) |
| | Deltapine 726 | Delta and Pine Land Company | Y | DSR-128 | Dairyland Seed Company, Inc. | Y | (2) | DSR-171 | Dairyland Seed Company, Inc. | Y | (2) |
| | Deltapine 878 | Delta and Pine Land Company | Y | DSR-141 | Dairyland Seed Company, Inc. | Y | (2) | DSR-207 | Dairyland Seed Company, Inc. | Y | (2) |
| | Desoto | Kansas Agricultural Experiment Station | Y | DSR-155 | Dairyland Seed Company, Inc. | Y | (2) | DSR-227 | Dairyland Seed Company, Inc. | Y | (2) |
| | Doles | University of Georgia Research Foundation, Inc. | Y | DSR-171 | Dairyland Seed Company, Inc. | Y | (2) | DSR-232 | Dairyland Seed Company, Inc. | Y | (2) |
| | Douglas | Kansas Agricultural Experiment Station | Y | DSR-207 | Dairyland Seed Company, Inc. | Y | (2) | DSR-262 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3519S | Delta and Pine Land Company | Y | DSR-227 | Dairyland Seed Company, Inc. | Y | (2) | DSR-287 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3553 | Delta and Pine Land Company | Y | DSR-232 | Dairyland Seed Company, Inc. | Y | (2) | DSR-297 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3570 | Delta and Pine Land Company | Y | DSR-262 | Dairyland Seed Company, Inc. | Y | (2) | DSR-317 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3571S | Delta and Pine Land Company | Y | DSR-287 | Dairyland Seed Company, Inc. | Y | (2) | DSR-320 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3588 | Delta and Pine Land Company | Y | DSR-297 | Dairyland Seed Company, Inc. | Y | (2) | DSR-352 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3589 | Delta and Pine Land Company | Y | DSR-317 | Dairyland Seed Company, Inc. | Y | (2) | DSR-373 | Dairyland Seed Company, Inc. | Y | (2) |
| | DP 3606 | Delta and Pine Land Company | Y | DSR-320 | Ohio Agricultural Research and Development Center, Ohio State University | Y | (3) | Elgin 87 | Iowa Agriculture and Home Economics Experiment Station | Y | (3) |
| | DP 3627 | Delta and Pine Land Company | Y | DSR-352 | Dr. E. E. Hartwig, USDA Minnesota Agricultural Experiment Station | Y | (3) | EPPS | Faribault Experiment Station | Y | (3) |
| | DP 3640 | Delta and Pine Land Company | Y | DSR-373 | | | | | | | |
| | DP 3681 | Delta and Pine Land Company | Y | Edison | | | | | | | |
| | DP 3682 | Delta and Pine Land Company | Y | | | | | | | | |
| | DP 3733 | Delta and Pine Land Company | Y | | | | | | | | |
| | DP 3776 | Delta and Pine Land Company | Y | | | | | | | | |
| | DP 3818 | Delta and Pine Land Company | Y | | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

FEDERAL PLANT VARIETY RELEASE

(Through April 13, 1998)

TITLE V 1994 KIND
(GEN.) PVPA VARIETY

APPLICANT

TITLE V 1994
(GEN.) APPLICANT

TITLE V 1994
(GEN.) APPLICANT

TITLE V 1994
(GEN.) APPLICANT

KIND
VARIETY

SOYBEAN

| | | | |
|----------|---|--|-------------|
| FFR 253 | Cooperative | Center, Ohio State | |
| FFR 299 | Granite | | Y |
| FFR 343 | FFR Cooperative | Minnesota Agricultural Experiment Station | Y (3) |
| FFR 373 | FFR Cooperative | Agripro Seeds, Inc. | GT 1380 |
| FFR 398 | FFR Cooperative | Agripro Seeds, Inc. | GT 1440 |
| FFR 464 | FFR Cooperative | Soybean Research Foundation, Inc. | Gutwein 225 |
| FFR 500 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | Y |
| FFR 553 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H4464 |
| FFR 560 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H507 |
| FFR 561 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | Y |
| FFR 565 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H5088 |
| FFR 583 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | Y |
| FFR 595 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H5566 |
| FFR 646 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H608 |
| FFR 668 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H639 |
| FFR 695 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | H6397 |
| FFR 731 | FFR Cooperative | Jacob Hartz Seed Company, Inc. | Y (3) |
| Flyer | Ohio Agricultural Research and Development Center, Ohio State University | Jacob Hartz Seed Company, Inc. | Y (3) |
| Freeborn | Minnesota Agricultural Experiment Station | Jacob Hartz Seed Company, Inc. | Y |
| GK-67 | Agratech Seeds Inc. | Jacob Hartz Seed Company, Inc. | Y (3) |
| GL 2250 | Soybean Research Foundation, Inc. | Jacob Hartz Seed Company, Inc. | Y (3) |
| | Minnesota Agricultural Experiment Station | Illinois Agricultural Experiment Station | Y (3) |
| | Minnesota Agricultural Experiment Station | University of Illinois | Y (3) |
| | Minnesota Agricultural Experiment Station | Iowa Agriculture and Home Economics Experiment Station | Y (3) |
| | Ohio Agricultural Research and Development Center and USDA-ARS Ohio Agricultural Research and Development Center, Ohio State University | Iowa Agriculture and Home Economics Experiment Station | Y (3) |
| GR8836 | Ohio Agricultural Research and Development Center, Ohio State University | Hartwig | Y (2) |
| GR8936 | Ohio Agricultural Research and Development | Hartz 5164 | Y (2) |
| | | Hartz 5171 | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND | VARIETY | TITLE (GEN.) | V PVPA | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 PVPA | KIND VARIETY | APPLICANT | |
|---------|------------|---|-----------|--------------|--|-------------|--|-----------|--------------|-----------------|-----------|-----------------|-----------|--------------|-----------------|-----------|-----------------|-----------|--------------|-----------------|-----------|----|
| SOYBEAN | Hartz 5252 | Jacob Hartz Seed Company, Inc. | Y | Y | Center, Ohio State University | Hendricks | Minnesota Agricultural Experiment Station | Y | (3) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| | Hartz 5370 | Jacob Hartz Seed Company, Inc. | Y | Y | Ohio Agricultural Research and Development Center and USDA-ARS | Hobbit | Ohio Agricultural Research and Development Center and USDA-ARS | Y | (3) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| | Hartz 6130 | Jacob Hartz Seed Company, Inc. | Y | Y | Ohio Agricultural Research and Development Center and USDA-ARS | Hobbit 87 | Ohio Agricultural Research and Development Center and USDA-ARS | Y | (3) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| | Hartz 6200 | Jacob Hartz Seed Company, Inc. | Y | Y | North Carolina Agricultural Research Service and USDA-ARS | Holladay | North Carolina Agricultural Research Service and USDA-ARS | Y | (3) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| | Hartz 6372 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 6383 | Jacob Hartz Seed Company, Inc. | HP | 20-20 | HP | 2530 | HP | 3033S | HP | 3700 | HP | 4800 | HS | 220 | HS | 235 | HS |
| | Hartz 6383 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 6383R | Jacob Hartz Seed Company, Inc. | HP | 2530 | HP | 3033S | HP | 3700 | HP | 4800 | HS | 220 | HS | 235 | HS | 2455 | HS |
| | Hartz 6385 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 6385 | Jacob Hartz Seed Company, Inc. | HP | 3033S | HP | 3700 | HP | 4800 | HS | 220 | HS | 235 | HS | 2455 | HS | 2533 | HS |
| | Hartz 6686 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 7110 | Jacob Hartz Seed Company, Inc. | HP | 3700 | HP | 4800 | HS | 220 | HS | 235 | HS | 2455 | HS | 2533 | HS | 265 | HS |
| | Hartz 7126 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 7126 | Jacob Hartz Seed Company, Inc. | HP | 4800 | HS | 220 | HS | 235 | HS | 2455 | HS | 2533 | HS | 265 | HS | 2821 | HS |
| | Hartz 8112 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 914 | Jacob Hartz Seed Company, Inc. | HS | 220 | HS | 235 | HS | 2455 | HS | 2533 | HS | 265 | HS | 2821 | HS | 302 | HS |
| | Hartz 9190 | Jacob Hartz Seed Company, Inc. | Y | (3) | Agripro Seeds, Inc. | Hartz 930 | Jacob Hartz Seed Company, Inc. | HS | 235 | HS | 321 | HS | 339 | HS | 348 | HS | 348 | HS | 321 | HS | 339 | HS |
| | Hartz 922 | Jacob Hartz Seed Company, Inc. | Y | Y | Agripro Seeds, Inc. | Hartz 936X | Jacob Hartz Seed Company, Inc. | HS | 348 | HS | 348 | HS | 348 | HS | 348 | HS | 348 | HS | 348 | HS | 348 | HS |
| | Haskell | University of Georgia Research Foundation, Inc. | Y | (2) | Genecorp, Inc. | Hawson | Identity Seed and Grain Company | Y | Y | Y | HT261 STS | HT331 STS | HT381 STS | HT5203 | Y | Y | Y | Y | Y | Y | Y | Y |
| | | Ohio Agricultural Research and Development | Y | (2) | Genecorp, Inc. | | Stanford Seed Company | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |

(*) No limit to the number of generations of certified seed beyond breeders seed.

(THE Young AMERICAN, 1338)

(MICHIGAN PAPERS, 1338)

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | 1994 PVPA | KIND VARIETY | TITLE (GEN.) | V PVPA | 1994 PVPA | KIND VARIETY | TITLE (GEN.) | V PVPA | 1994 PVPA |
|-----------------|--|-----------|--------------|--|-----------------|-----------|--------------|-----------------|-----------------|-----------|--------------|
| SOYBEAN | Minnatto | Y (2) | SOYBEAN | RA-452 | | | | | | | |
| | Minnesota Agricultural Experiment Station | | | RA-481 | | | | | | | |
| | Northrup King Company | | | RA-502 | | | | | | | |
| | King Agro Inc. | | | RA-58 | | | | | | | |
| | Nebraska Agricultural Experiment Station | Y (3) | | RA-606 | | | | | | | |
| | Ohio FG1 | Y (*) | | RA-680 | | | | | | | |
| | Ohio Agricultural Research and Development Center, Ohio State University | Y (*) | | Regal | | | | | | | |
| | Ohio FG2 | | | Purdue University | Y (3) | | | | | | |
| | Ohio Agricultural Research and Development Center, Ohio State University | | | Agricultural Experiment Station and USDA-ARS | | | | | | | |
| | Ozzie | Y (3) | | Ohio Agricultural Research and Development Center, Ohio State University | Y (3) | | | | | | |
| | Parker | Y (3) | | Riverside 2024 | | | | | | | |
| | Pearl | Y (3) | | Riverside 303C | | | | | | | |
| | Pennyrile | Y (3) | | RS 2330 | | | | | | | |
| | Pershing | Y (3) | | S00-66 | | | | | | | |
| | Piatt | Y (3) | | S00-88 | | | | | | | |
| | Pixie | Y (3) | | S06-57 | | | | | | | |
| | PL 707743 | | | S07-80 | | | | | | | |
| | Platte | | | S09-90 | | | | | | | |
| | PRN-82 | | | S09-95 | | | | | | | |
| | RA-403 | | | S12-22 | | | | | | | |
| | RA-405 | | | S12-49 | | | | | | | |
| | RA-451 | | | S13-J6 | | | | | | | |
| | | | | S14-60 | | | | | | | |
| | | | | S15-50 | | | | | | | |
| | | | | S17-18 | | | | | | | |
| | | | | S18-84 | | | | | | | |
| | | | | S19-90 | | | | | | | |
| | | | | S20-20 | | | | | | | |
| | | | | S20-26 | | | | | | | |
| | | | | S20-91 | | | | | | | |
| | | | | S21-98 | | | | | | | |
| | | | | S23-03 | | | | | | | |
| | | | | S23-12 | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

TITLE V 1994 KIND
(GEN.) PVPA VARIETY
APPLICANT

| | | | | | | |
|------|---------|---------|---------|---|--------|---|
| KIND | VARIETY | Soybean | SOYBEAN | Northrup King Company | S57-11 | Y |
| | S24-24 | | | Northrup King Company | S59-19 | |
| | S24-92 | | | Northrup King Company | S59-60 | |
| | S25-07 | | | Northrup King Company | S59-95 | |
| | S25-15 | | | Northrup King Company | S61-10 | |
| | S26-06 | | | Northrup King Company | S61-89 | |
| | S27-10 | | | Northrup King Company | S62-66 | |
| | S28-01 | | | Northrup King Company | S64-23 | |
| | S28-18 | | | Northrup King Company | S66-90 | |
| | S29-11 | | | Northrup King Company | S69-54 | |
| | S29-18 | | | Northrup King Company | S69-96 | |
| | S29-20 | | | Northrup King Company | S72-60 | |
| | S29-39 | | | Northrup King Company | S74-40 | |
| | S30-06 | | | Northrup King Company | S75-55 | |
| | S30-31 | | | Northrup King Company | S83-30 | |
| | S30-41 | | | Northrup King Company | | |
| | S31-33 | | | Northrup King Company | | |
| | S33-32 | | | Northrup King Company | | |
| | S33-45 | | | Northrup King Company | | |
| | S34-19 | | | Northrup King Company | | |
| | S35-35 | | | Northrup King Company | | |
| | S36-36 | | | Northrup King Company | | |
| | S38-83 | | | Northrup King Company | | |
| | S39-11 | | | Northrup King Company | | |
| | S39-41 | | | Northrup King Company | | |
| | S39-93 | | | Northrup King Company | | |
| | S39-99 | | | Northrup King Company | | |
| | S40-44 | | | Northrup King Company | | |
| | S42-30 | | | Northrup King Company | | |
| | S42-32 | | | Northrup King Company | | |
| | S42-40 | | | Northrup King Company | | |
| | S42-50 | | | Shiloh Sibley | | |
| | S42-60 | | | Minnesota Agricultural Experiment Station | Y (3) | |
| | S43-34 | | | Minnesota Agricultural Experiment Station | Y (*) | |
| | S44-77 | | | Kansas Agricultural Experiment Station | Y (3) | |
| | S45-01 | | | Bryco, Inc. | Y (3) | |
| | S46-44 | | | | | |
| | S48-84 | | | | | |
| | S52-25 | | | | | |
| | S53-34 | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | VARIETY PVPA | KIND VARIETY | APPLICANT |
|----------------------|--|-----------------|--|--|
| Spencer | Purdue University | Y (3) | SOYBEAN | Terral-Norris Seed Company, Inc. |
| | Agricultural Experiment Station and USDA-ARS | | Terra-Vig 717 | Terral-Norris Seed Company, Inc. |
| sprite | Ohio Agricultural Research and Development Center, Ohio State University | Y (3) | Terra-Vig 808 | Terral-Norris Seed Company, Inc. |
| | Ohio Agricultural Research and Development Center and USDA-ARS | | Terral TV5797 | Terral Seed, Inc. |
| Sprite 87 | University of Illinois Soybean Research Foundation, Inc. | Y (3) | Thorne TK 89 | The Ohio State University Y (*) |
| | Ohio Agricultural Research and Development Center and USDA-ARS | | TN 4-86 | King Agro Inc. |
| Spry SRF 101 | SRF 205 | Y (3) | TS250 | Tennessee Agricultural Experiment Station |
| | Y (3) | Y (3) | Vertex | Northrup King Company |
| | Foundation Research Foundation, Inc. | | | Ohio Agricultural Research and Development Center, The Ohio State University Research Foundation |
| SRF 350P | Soybean Research Foundation, Inc. | Y (3) | Iowa Agriculture and Home Economics Experiment Station | Iowa Agriculture and Home Economics Experiment Station |
| SS 390 | Southern States Cooperative, Inc. | Y (3) | Vickery | Iowa Agriculture and Home Economics Experiment Station |
| SS 487 | Southern States Cooperative, Inc. | | Vinton 81 | E. I. du Pont de Nemours and Company |
| SS 516 | Southern States Cooperative, Inc. | | W20 | Purdue University |
| Starr Sturdy | Helena Chemical Company Minnesota Agricultural Experiment Station | Y (*) | Winchester Agricultural Experiment Station | Ohio Agricultural Research Service |
| Sumter Terra-Vig 505 | Helena Chemical Company Terra-Norris Seed Company | Y (3) | Young | Ohio Agricultural Research Service |
| | Company, Inc. | | | Ohio Agricultural Research and Development Center, Ohio State University |
| Terra-Vig 553 | Terra-Norris Seed Company, Inc. | Y (3) | Zane | Michigan State University Y (3) |
| Terra-Vig 5555 | Terra-Norris Seed Company, Inc. | Y | | New Hampshire Agricultural Experiment Station |
| Terra-Vig 606 | Terra-Norris Seed Company, Inc. | Y (3) | SPRUCE HY-BLU SQUASH | Autumn Pride |
| Terra-Vig 616 | Terra-Norris Seed Company, Inc. | Y (3) | | |
| Terra-Vig 6253 | Terra-Norris Seed Company, Inc. | | | |
| Terra-Vig 6792 | Terra-Norris Seed Company, Inc. | Y | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994
(GEN.) PVPA

| KIND VARIETY | APPLICANT | TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT |
|------------------|---------------------------|-------------------|--------------|-----------------|---------------------------|
| SQUASH | | | | TOBACCO | |
| Bunutkin | Charles Tateosian | | | K317 | Northrup King Company |
| Swan White Table | Swan Health Farms and | | | K326 | Northrup King Company |
| Queen | Cattle Company, Inc. | | | K340 | Northrup King Company |
| STEIRODISCUS | | | | K346 | Northrup King Company |
| Gold Rush | American Takii, Inc. | Y (1) | | K358 | Northrup King Company |
| STEVIA | | | | K394 | Northrup King Company |
| P. J. Suzuki | F. K. Suzuki | | | K399 | Northrup King Company |
| | International, Inc. | | | K730 | Northrup King Company |
| SUDANGRASS | | | | | Speight Seed Farms, Inc. |
| WKM III | Walter K. Moss | | | | Speight Seed Farms, Inc. |
| SUNFLOWER | | | | | Speight Seed Farms, Inc. |
| 687 | Cargill, Inc. | | | | Speight Seed Farms, Inc. |
| IS 2168 | Interstate Seed Company | | | | TOMATO |
| IS 2501 | Interstate Seed Company | | | 71-72 | Del Monte Corporation |
| IS 3401 | Interstate Seed Company | | | 71-75 | Del Monte Corporation |
| IS 3795 | Interstate Seed Company | | | 887 | LSL Biotechnologies, Inc. |
| Lyngs Premier | Ed. J. Lyng Co., Division | | | 888 | LSL Biotechnologies, Inc. |
| California | of Trinidad Benham Corp. | | | | Harris Moran Seed Company |
| Greystripe | | | | | Harris Moran Seed Company |
| PHA009 | Pioneer Hi-Bred | | | | Walter Baxter Seed |
| | International, Inc. | | | | Company, Inc. |
| PHA043 | Pioneer Hi-Bred | Y | | | Frances B. Chesser |
| | International, Inc. | | | | Harris Moran Seed Company |
| PHA052 | Pioneer Hi-Bred | Y | | | Sunseeds Company |
| | International, Inc. | | | | Sunseeds Company |
| PHA053 | Pioneer Hi-Bred | Y | | | Sunseeds Company |
| | International, Inc. | | | | North Carolina |
| PHA061 | Pioneer Hi-Bred | Y | | | Agricultural Experiment |
| | International, Inc. | | | | Station |
| SS405B | Northrup King Company | | | | Harris Moran Seed Company |
| Sunspot | K. Sahin, Zaden B.V., and | | | | Campbell Soup Company, |
| | Dr. Ir. E. Sahin | | | | Campbell Institute for |
| TEFF | The Teff Company | Y (2) | Y | | Research and Technology |
| Dessie | | | | | Harris Moran Seed Company |
| TOBACCO | | | | | DNA Plant Technology |
| Coker 176 | Northrup King Company | Y (3) | Y | | Corporation |
| Coker 206 | Northrup King Company | Y (3) | | | DNA Plant Technology |
| Coker 371 Gold | Northrup King Company | Y (1) | | | Corporation |
| Coker 51 | Northrup King Company | Y (*) | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994
(GEN.) PVPA

| KIND VARIETY | APPLICANT | TITLE V 1994 (GEN.) PVPA | KIND VARIETY |
|------------------------------|---|-------------------------------------|--|
| Easy Harvest | Campbell Soup Company, Campbell Institute for Research and Technology | TOMATO NC 8288 | North Carolina Agricultural Research Service |
| Easy Winner | Campbell Soup Company, Campbell Institute for Research and Technology | NC 84173 | North Carolina Agricultural Research Service |
| Enduro | Harris Moran Seed Company Florida Agricultural Experiment Station | NC EBR-3 | North Carolina Agricultural Research Service |
| Florida 7171 | Florida Agricultural Experiment Station | Ohio 7983 | Ohio Agricultural Research and Development Center, Ohio State University |
| Harris Moran 3075 Horizon | Harris Moran Seed Company Florida Agricultural Experiment Station | Ohio 8243 | Dr. Stanley Z. Berry and The Ohio State University |
| Indiana 812 | Purdue University Agricultural Experiment Station | Orion P-19 | Harris Moran Seed Company Petoseed Company, Inc. |
| Liberator Micro-Tom | Harris Moran Seed Company Florida Agricultural Experiment Station | Peelmech Peto 111 | Harris Moran Seed Company Petoseed Company, Inc. |
| Monte Verde | North Carolina Agricultural Research Service | Peto 343 | Petoseed Company, Inc. |
| Moran 3053 Mountain Gold | Harris Moran Seed Company North Carolina Agricultural Research Service | Peto 460 | Petoseed Company, Inc. |
| MURRIETA II | Harris Moran Seed Company Sunseeds Company | Peto 94C | Petoseed Company, Inc. |
| Mystro NC 1C | North Carolina Agricultural Research Service | Peto 95-43 | Harris Moran Seed Company Campbell Soup Company, Campbell Institute for Research and Technology |
| NC 2C | North Carolina Agricultural Research Service | Rio Colorado Sun 1643 | Petoseed Company, Inc. |
| NC 50-7 | North Carolina Agricultural Experiment Station | Sun 6095 | Sunseeds Company |
| NC 8276 | North Carolina Agricultural Research Service | Super Beefsteak Sureset Tioga | W. Atlee Burpee Company |
| | | VF 9209 XP 5034 | Harris Moran Seed Company Campbell Institute for Research and Technology |
| | | Yuba | Harris Moran Seed Company |

(*) No limit to the number of generations of certified seed beyond breeders seed.

TITLE V 1994 KIND
(GEN.) PVPA VARIETY APPLICANTTITLE V 1994 KIND
(GEN.) PVPA VARIETY

TREFOIL, BIRDSEFOOT

| | | |
|----------------------|---|--|
| Fergus | University of Kentucky | VETCH, COMMON |
| TRITICALE | | Vantage |
| 102 | Resource Seeds, Inc. | Y VINCA |
| 2700 | Resource Seeds, Inc. | Y Grape Cooler |
| 6600 | Resource Seeds, Inc. | Y Heat Wave White |
| Blizzard | Drs. Fred C. and Nancy A. Elliott | Y |
| Buxom | Drs. Fred C. and Nancy A. Elliott | Y Little Salmon Parasol |
| Enduro | Agrecol Corporation | Y (1) Passion |
| Eve | Resource Seeds, Inc. | Y Peppermint Cooler |
| Grace | Resource Seeds, Inc. | Y Pink Panther |
| Jenkins | Resource Seeds, Inc. | |
| Norico | Drs. Fred C. and Nancy A. Elliott | |
| Nutricale | Fred C. Elliott | Tropicana Blush |
| Roughrider | Goertzen Seed Research | Tropicana Bright Eye |
| Stan II | Resource Seeds, Inc. | Tropicana Pink |
| Stan-I | Resource Seeds, Inc. | |
| Triti-Gold 22 | Dean Bork | |
| Victoria | Resource Seeds, Inc. | Tropicana Rose |
| TURNIP | Zelder B.V. | |
| Mosa | Harris Moran Seed Company | WATERMELON |
| Royal Gem | | AU-Golden Producer |
| VERBENA, ANNUAL | S&G Seeds B.V. | Alabama Agricultural Experiment Station |
| Romance Deeprose | S&G Seeds B.V. | Alabama Agricultural Experiment Station, |
| Romance Scarlet | S&G Seeds B.V. | Department of Horticulture |
| Romance Scarlet Eyed | S&G Seeds B.V. | Alabama Agricultural Experiment Station, |
| Romance White | S&G Seeds B.V. | Experiment Station, Department of Horticulture |
| VETCH, COMMON | | |
| Cahaba White | Auburn University Agricultural Experiment Station | AU-Sweet Scarlet |
| Nova II | Auburn University Agricultural Experiment Station | Big Crimson |
| Vanguard | Auburn University Agricultural Experiment Station | Bush Charleston Gray Musser Company, Inc. |
| | | Bush Jubilee |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | KIND VARIETY | APPLICANT |
|------------------|-----------------|-----------|-----------------|---|-----------------|-----------|-----------------|--------------------------|
| WATERMELON | | | WHEAT, COMMON | | | | | |
| Charlee | | | 2369 | Florida Agricultural Experiment Station | | | Y (3) | NDSU Research Foundation |
| Charleston Elite | | | 2370 | Northrup King Company | | | Y (2) | NDSU Research Foundation |
| Chubby Gray | | | 2371 | Coffey Seed Company | | | Y (2) | NDSU Research Foundation |
| Crimson Diamond | | | 2375 | Coffey Seed Company | | | Y (2) | NDSU Research Foundation |
| Cutter 55 | | | 2385 | Coffey Seed Company | | | Pioneer Hi-Bred | Pioneer Hi-Bred |
| Domek | | | | Seminis Vegetable Seeds, Inc. | | | | International, Inc. |
| Jubilee II | | | 2398 | Florida Agricultural Experiment Station | | | Y (2) | NDSU Research Foundation |
| | | | 2510 | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| Juliett | | | 2540 | International, Inc. | | | | International, Inc. |
| Long Crimson | | | 2545 | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| Louisiana Sweet | | | | International, Inc. | | | | International, Inc. |
| MickyLee | | | 2548 | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| Minilee | | | 2550 | International, Inc. | | | | International, Inc. |
| Perola | | | 2551 | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| Sun Gold | | | 2552 | International, Inc. | | | | International, Inc. |
| Sunsweet | | | 2553 | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| Sweet Treat | | | 2555 | International, Inc. | | | | International, Inc. |
| Tastigold | | | 2555 | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| Yellow Crimson | | | 2566 | International, Inc. | | | | International, Inc. |
| WHEAT, COMMON | | | | Pioneer Hi-Bred | | | | Pioneer Hi-Bred |
| 2154 | | | | International, Inc. | | | | International, Inc. |
| | | | | Kansas Agricultural Experiment Station | | | Y (3) | Pioneer Hi-Bred |
| 2157 | | | | Kansas Agricultural Experiment Station | | | Y (3) | International, Inc. |
| | | | | Kansas Agricultural Experiment Station | | | Y (3) | Pioneer Hi-Bred |
| 2158 | | | | Kansas Agricultural Experiment Station | | | Y (3) | International, Inc. |
| | | | | Kansas Agricultural Experiment Station | | | Y (3) | Pioneer Hi-Bred |
| 2163 | | | | Pioneer Hi-Bred | | | Y (3) | International, Inc. |
| | | | | International, Inc. | | | Y (3) | Pioneer Hi-Bred |
| 2165 | | | | Kansas Agricultural Experiment Station | | | Y (3) | International, Inc. |
| | | | | Kansas Agricultural Experiment Station | | | Y (3) | Pioneer Hi-Bred |
| 2172 | | | | Kansas Agricultural Experiment Station | | | Y (3) | International, Inc. |
| | | | | Kansas Agricultural Experiment Station | | | Y (3) | Pioneer Hi-Bred |
| 2180 | | | | International, Inc. | | | Y (3) | International, Inc. |

(*) No limit to the number of generations of certified seed beyond breeders seed. . .

PLANT VARIETY PROTECTION CERTIFICATES
 (Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | VARIETY PVPA | KIND VARIETY | TITLE (GEN.) | VARIETY PVPA | APPLICANT | APPLICANT | APPLICANT |
|-----------------------|---|--|--------------------|---------------------------|-----------------|--|-------------------------|-----------|
| WHEAT, COMMON 2628 | Pioneer Hi-Bred International, Inc. | Hi-Bred International, Inc. | WHEAT, COMMON Y | A99ar Abilene Adder | Y | Causmax Corporation AgriPro Seeds, Inc. Purdue University | Y (2) Y (3) Y (3) | |
| 2643 | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | | Agricultural Experiment Station and USDA-ARS | Y | |
| 2684 | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | |
| 2691 | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | | World Wide Wheat L.L.C. | Y (3) | |
| 2737W | Pioneer Hi-Bred International, Inc. | Pioneer Hi-Bred International, Inc. | | | | Colorado State University Board of Regents, University of Nebraska and USDA-ARS | Y (3) Y (3) Y (3) | |
| 5409 | Admire Seed Research Division, Agrigenetics Corp. | Apex 83 | Apex 83 | Apex 83 | Apex 83 | Western Plant Breeders, Inc. | Y (*) | |
| 5469 | The Lubrizol Corporation | | | | | Board of Regents, University of Nebraska and USDA-ARS | Y (3) | |
| 5630 | The Lubrizol Corporation | | | | | AgriPro Seeds, Inc. | Y (3) | |
| 711 | Hybritech Seed International, Inc. | | | | | Kansas Agricultural Experiment Station | Y (3) | |
| 715 | Hybritech Seed International, Inc. | | | | | Kansas Agricultural Experiment Station | Y (3) | |
| 771 | Northrup King Company | | | | | Florida Agricultural Experiment Station | Y (3) | |
| 775 | Northrup King Company | | | | | Experiment Station | Y (3) | |
| 7805 | Hybritech Seed International, Inc. | | | | | Purdue University | Y (3) | |
| 7833 | Hybritech Seed International, Inc. | | | | | Agricultural Experiment Station and USDA-ARS | Y (3) | |
| 7837 | Hybritech Seed International, Inc. | | | | | Michigan State University Bailey Seed Farms, Inc. and BSF Ag Research | Y (2) Y (3) | |
| 7846 | Hybritech Seed International, Inc. | | | | | Western Plant Breeders, Inc. | Y (*) | |
| 812 | Northrup King Company | | | | | Columbia Basin Seeds | Y (3) | |
| 814 | Northrup King Company | | | | | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | |
| 817 | Hybritech Seed International, Inc. | | | | | | | |
| 822 | MBS Seed, Inc. | | | | | | | |
| 830 | Hybritech Seed International, Inc. | | | | | | | |
| 835 | Hybritech Seed International, Inc. | | | | | | | |
| 9227 | Northrup King Company | | | | | | | |
| 9323 | Northrup King Company | | | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

(Through April 13, 1998)

| TITLE (GEN.) | V | 1994 PVPA | KIND VARIETY |
|-----------------|---|--------------|-----------------|
|-----------------|---|--------------|-----------------|

TITLE V 1994
(GEN.) PVPA

| TITLE V (GEN.) | 1994 PVPA | KIND VARIETY | APPLICANT | APPLICANT | VARIETY | KIND VARIETY |
|-------------------------|--------------|--------------------------|---|-----------|---------|-----------------|
| WHEAT, COMMON Bergen | Y (3) | WHEAT, COMMON Clemens | Agripro Seeds, Inc. | Y (3) | | |
| Big Dawg | Y (3) | Cody | Hybritech Seed International, A Unit of Monsanto Company | Y (3) | | |
| Bighorn | Y (3) | | Hybritech Seed International, Inc. | Y (3) | | |
| Blazer | Y (3) | | Agripro Seeds, Inc. | Y (3) | | |
| Bonneville | | | Idaho Agricultural Experiment Station | Y (3) | | |
| Boone BORDER | Y (3) | | Agripro Seeds, Inc. | Y (3) | | |
| | | | Western Plant Breeders, Inc. | Y | | |
| Brawny | Y (3) | | Seed Research Division, Agrigenetics Corp. | Y (3) | | |
| Brooks | | | Western Plant Breeders, Inc. | Y | | |
| Buckshot Caldwell | Y (3) | | Agripro Seeds, Inc. | Y (3) | | |
| | Y (3) | | Purdue University Agricultural Experiment Station and USDA-ARS | Y (3) | | |
| Cardinal | Y (3) | | Ohio Agricultural Research and Development Center, Ohio State University | Y (3) | | |
| | | | Columbia Basin Seeds | Y (3) | | |
| Cashup | | | University of Maryland | Y (3) | | |
| Catoctin | | | World Wide Wheat L.L.C. | Y (3) | | |
| Cavalier | | | Agripro Seeds, Inc. | Y (3) | | |
| Celtic | | | Idaho Agricultural Experiment Station | Y (3) | | |
| Centennial | | | Board of Regents, University of Nebraska and USDA-ARS | Y (3) | | |
| Centura | | | Compton | | | |
| Chelsea Citation | | | Agricultural Experiment Station and USDA-ARS | Y (3) | | |
| Clark | | | Coronado | | | |
| | | | Dalen | | | |
| | | | Discovery | | | |
| | | | Dodge | | | |
| | | | Duke | | | |
| | | | Dynasty | | | |
| | | | Encore | | | |
| | | | Erik | | | |
| | | | AgriGenetics Corp. | | | |
| | | | Purdue University Agricultural Experiment Station and USDA-ARS | | | |
| | | | Research and Development Center, Ohio State University | | | |
| | | | University | | | |
| | | | Seed Research Division, | | | |
| | | | AgriGenetics Corp. | | | |
| | | | Purdue University Agricultural Experiment Station | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
 (Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | V 1994 PVPA | KIND VARIETY | APPLICANT | TITLE V (GEN.) | V 1994 PVPA |
|----------------------------------|--|----------------|------------------------------|---|---|----------------|-----------------|--|-------------------|----------------|
| WHEAT, COMMON Ernest Excel | NDSU Research Foundation Ohio Agricultural Research and Development Center, Ohio State University Western Plant Breeders, Inc. | Y (3) Y (3) | Y (*) | Geneva Glacier | Cornell University Agricultural Experiment Station | Y (2) | Y (2) | Wisconsin Agricultural Experiment Station | Y (2) | Y (2) |
| Express | Southern States Cooperative, Inc. | Y (3) | GR860 | Glupro GR 855 | NDSU Research Foundation The Ohio State University Research Foundation | Y (3) Y (2) | Y (2) | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | Y (2) |
| Feland | Western Plant Breeders, Inc. | Y | GR863 | Ohio Agricultural Research and Development Center, Ohio State University | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | Y (2) | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | Y (2) |
| Fergus | FFR 525W FFR 555W Fillmore | Y (3) | GR876 | Purdue University Agricultural Experiment Station and USDA-ARS Florida Agricultural Experiment Station | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | Y (2) | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | Y (2) |
| Florida 302 | Florida 303 | Y (3) | GR915 | Florida Agricultural Experiment Station | Ohio Agricultural Research and Development Center, Ohio State University | Y (2) | Y (2) | Purdue University, Indiana Agricultural Experiment Station | Y (2) | Y (2) |
| Florida 304 | Frankenmuth Freedom | Y (3) | Grant Guard | Michigan State University Ohio Agricultural Research and Development Center, Ohio State University Seed Research Division, Agrigenetics Corp. | South Dakota Agricultural Experiment Station | Y (3) | Y (3) | Goertzen Seed Research South Dakota Agricultural Experiment Station | Y (3) | Y (3) |
| G1878 | Frontiersman | Y (3) | Gunner Halt Haven | Goertzen Seed Research Inc. | AgriPro Seeds, Inc. | Y (3) | Y (3) | Colorado State University Goertzen Seed Research | Y (3) | Y (3) |
| GA-Dozier | GA-Stuckey | Y (2) | Hawk Hickory Hillsdale | University of Georgia Research Foundation, Inc. | AgriPro Seeds, Inc. | Y (3) | Y (3) | Michigan State University Sogetal, Inc. | Y (2) | Y (2) |
| Garland | Garland | Y (3) | Hipro Houser | University of Georgia Research Foundation, Inc. | Cornell University Agricultural Experiment Station | Y (3) | Y (2) | Cornell University Agricultural Experiment Station | Y (2) | Y (2) |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V | 1994 PVPA | KIND VARIETY | APPLICANT | TITLE (GEN.) | V | 1994 PVPA | KIND VARIETY | APPLICANT |
|-------------------------|---|---|--------------|---|---|-----------------|-----|--------------|-----------------|-----------|
| WHEAT, COMMON Howell | University of Illinois Agripro Seeds, Inc. | Y | (3) | WHEAT, COMMON Meridian | Idaho Agricultural Experiment Station | Y | (3) | | | |
| HR 48 | Agripro Seeds, Inc. | Y | (3) | Merrimac | Wisconsin Agricultural Experiment Station | Y | (3) | | | |
| HR 53 | Agripro Seeds, Inc. | Y | (3) | | Agripro Seeds, Inc. | Y | (3) | | | |
| HR 64 | Agripro Seeds, Inc. | Y | (3) | Ike | Richardson Seeds, Inc. | Y | (3) | | | |
| | Kansas Agricultural Experiment Station | Y | (3) | Purdue University | Sogetal, Inc. | Y | (3) | | | |
| INW8841 | Agricultural Experiment Station | Y | (3) | | Minnesota Agricultural Experiment Station | Y | (3) | | | |
| Jackson | Virginia Agricultural Experiment Station | Y | (2) | Morey | University of Georgia Research Foundation, Inc. | Y | (2) | | | |
| Jagger | Kansas Agricultural Experiment Station | Y | (3) | | (UGARF) and University of Florida Agricultural Experiment Station | Y | (2) | | | |
| Jesse | Colorado State University | Y | (3) | The Andersons | USDA/ARS | Y | (3) | | | |
| Jules | Agripro Seeds, Inc. | Y | (3) | Kansas Agricultural Experiment Station | HybriTech Seed International, Inc. | Y | (3) | | | |
| Karena | Colorado State University | Y | (3) | Karl | Agripro Seeds, Inc. | Y | (3) | | | |
| Karl | Agripro Seeds, Inc. | Y | (3) | Norak | University of Nebraska & USDA/ARS | Y | (3) | | | |
| Karl 92 | Northrup King Company | Y | (1) | NDSU Research Foundation | Agripro Seeds, Inc. | Y | (3) | | | |
| Keene | NDSU Agricultural Experiment Station | Y | (3) | Northrup King Company | Kansas Agricultural Experiment Station | Y | (3) | | | |
| Klasic | Agripro Seeds, Inc. | Y | (3) | NDSU Agricultural Experiment Station | AgriPro Seeds, Inc. | Y | (3) | | | |
| KULM | Michigan State University | Y | (2) | Norm | Minnesota Agricultural Experiment Station | Y | (3) | | | |
| Laredo | Plant Breeders 1, Inc. | Y | (3) | McIntyre-Pyle Seeds, Inc. | Agripro Seeds, Inc. | Y | (3) | | | |
| Leif | Michigan State University | Y | (2) | Agripro Seeds, Inc. | Agripro Seeds, Inc. | Y | (3) | | | |
| Lincoln | Plant Breeders 1, Inc. | Y | (3) | Agripro Seeds, Inc. | Agripro Seeds, Inc. | Y | (2) | | | |
| Longhorn | Michigan State University | Y | (2) | Michigan State University | Michigan State University | Y | (2) | | | |
| Lowell | Plant Breeders 1, Inc. | Y | (3) | Plant Breeders 1, Inc. | Plant Breeders 1, Inc. | Y | (3) | | | |
| Mac-1 | Virginia Agricultural Experiment Station | Y | (2) | Virginia Agricultural Experiment Station | Ogallala | Y | (3) | | | |
| Madison | Agripro Seeds, Inc. | Y | (3) | Agripro Seeds, Inc. | Oslo | Y | (3) | | | |
| | Michigan State University | Y | (2) | Agripro Seeds, Inc. | Patterson | Y | (2) | | | |
| Magnum | Experiment Station | Y | (3) | Agripro Seeds, Inc. | Pecos | Y | (3) | | | |
| Mallard | Agripro Seeds, Inc. | Y | (3) | Minnesota Agricultural Experiment Station | Pennmore | Y | (2) | | | |
| Marshall | Michigan State University | Y | (3) | AgriPro Seeds, Inc. | Pike | Y | (3) | | | |
| Mason | Experiment Station | Y | (3) | Agripro Seeds, Inc. | Curators of the University of Missouri | Y | (3) | | | |
| Meggie | Michigan State University | Y | (3) | Agripro Seeds, Inc. | Pioneer Hi-Bred International, Inc. | Y | (3) | | | |
| Mendon | PL145 | Y | (2) | Michigan State University | | | | | | |

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**PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)**

| KIND VARIETY | TITLE (GEN.) | VARIETY PVPA | KIND VARIETY PVPA | APPLICANT | TITLE (GEN.) | VARIETY PVPA | APPLICANT | TITLE (GEN.) | VARIETY PVPA |
|---------------------------|---|-----------------|-------------------------|---|-----------------|-----------------|-----------|-----------------|-----------------|
| WHEAT, COMMON Poco Red | World Wide Wheat L.L.C. | Y (3) | Siouxland | Board of Regents, University of Nebraska and USDA-ARS | Y (3) | | | | |
| Ponderosa | Agripro Seeds, Inc. | Y (3) | | Texas Agricultural Experiment Station | Y (3) | | | | |
| Pontiac | Hybritech Seed | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| Pony | International, Inc. | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| PR2360 | Pioneer Hi-Bred | Y (3) | Sonja | Agripro Seeds, Inc. | Y (3) | | | | |
| RAM | International, Inc. | Y (3) | Southern Belle | Agripro Seeds, Inc. | Y (3) | | | | |
| Rawhide | Agripro Seeds, Inc. | Y (3) | Stallion | Agripro Seeds, Inc. | Y (3) | | | | |
| | Board of Regents, University of Nebraska and USDA-ARS | Y (3) | Success | Agripro Seeds, Inc. | Y (3) | | | | |
| Redland | Board of Regents, University of Nebraska | Y (3) | Sunstar II | Sunderman Breeding Inc. | Y (3) | | | | |
| RHS 8232 | Northrup King Company | Y (3) | Sunstar Promise | Sunderman Breeding Inc. | Y (2) | | | | |
| Rio Blanco | Agripro Seeds, Inc. | Y (3) | Symphony | Tainio Technology and Technique, Inc. | Y (2) | | | | |
| Ritmo | Cebeco Zaden B.V. | Y (3) | | Plant Breeders 1, Inc. | Y (3) | | | | |
| Rodeo | Hybritech Seed | Y (3) | | Texas Agricultural Experiment Station | Y (3) | | | | |
| Rowdy | International, Inc. | Y (3) | | Texas Agricultural Experiment Station | Y (3) | | | | |
| Roy | AgriPro Seeds, Inc. | Y (3) | | Texas Agricultural Experiment Station | Y (3) | | | | |
| S78 | North Carolina Agricultural Research Service | Y (3) | | Texas Agricultural Experiment Station | Y (3) | | | | |
| RSI 5 | Resource Seeds, Inc. | Y (3) | | World Seeds, Inc. | Y (3) | | | | |
| Russ | South Dakota Agricultural Experiment Station | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| Salmon | Pioneer Hi-Bred | Y (3) | | Terral-Norris Seed Company, Inc. | Y (3) | | | | |
| Saluda | International, Inc. | Y (*) | | Terral-Norris Seed Company, Inc. | Y (3) | | | | |
| Sandy | Plant Breeders 1, Inc. | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| Savannah | Virginia Agricultural Experiment Station | Y (*) | | Agripro Seeds, Inc. | Y (3) | | | | |
| Sawyer | Colorado State University | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| Scotty | Agripro Seeds, Inc. | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| Shiloh | Illinois Agricultural Experiment Station and USDA-ARS | Y (3) | | Leo Linden Schrader | Y (3) | | | | |
| Sierra | Agripro Seeds, Inc. | Y (3) | | Agripro Seeds, Inc. | Y (3) | | | | |
| | Agripro Seeds, Inc. | Y (3) | | Minnesota Agricultural Experiment Station | Y (3) | | | | |
| | | Y | | Idaho Agricultural Experiment Station | Y (3) | | | | |

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PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

| KIND VARIETY | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT | TITLE (GEN.) | V PVPA | 1994 KIND VARIETY | APPLICANT |
|------------------------|---|-----------|------------------------------|--|------------------------------------|-----------|-------------------------|-----------|
| WHEAT, COMMON Vanna | Western Plant Breeders, Inc. | Y | WHEAT, DURUM D-5003 | Germain's Seeds, Inc. World Wide Wheat L.L.C. | Y | (3) | Y | (3) |
| Verde | Minnesota Agricultural Experiment Station | Y (3) | Diavolo Duro Duraking | World Wide Wheat L.L.C. | Y | (3) | Y | (3) |
| Verne | Kentucky Agricultural Experiment Station | Y (2) | Durex Durostar | World Wide Wheat L.L.C. | Y | (3) | Y | (3) |
| Victory | Agripro Seeds, Inc. | Y (3) | Fjord Imperial | World Wide Wheat L.L.C. Agripro Seeds, Inc. | Y | (3) | Y | (3) |
| Vista | Board of Regents, University of Nebraska and USDA-ARS | Y (3) | Kofa | Western Plant Breeders, Inc. | Western Plant Breeders, Inc. | Y (3) | Y | Y |
| Voyager | Goertzen Seed Research Agripro Seeds, Inc. | Y (3) | Kronos | Arizona Plant Breeders, Inc. | NDSU Research Foundation | Y (3) | Y | Y |
| W2501 | Agripro Seeds, Inc. | Y (3) | Munich | World Wide Wheat L.L.C. | Y (3) | Y | Y | Y |
| W2502 | Agripro Seeds, Inc. | Y (3) | Reva | Agripro Seeds, Inc. | Y (3) | Y | Y | Y |
| W88-039 | Agripro Seeds, Inc. | Y | Stockholm | Agripro Seeds, Inc. | Y (3) | Y | Y | Y |
| Waco | Agripro Seeds, Inc. | Y (3) | Voss | Western Plant Breeders, Inc. | Y (3) | Y | Y | (*) |
| Wakefield | Virginia Agricultural Experiment Station | Y (2) | WestBred 803 | Western Plant Breeders, Inc. | Western Plant Breeders, Inc. | Y (3) | Y | Y |
| Walera | Hybritech Seed International, Inc. | Y (3) | WestBred 881 | Western Plant Breeders, Inc. | Western Plant Breeders, Inc. | Y | Y | (*) |
| WestBred 906R | Western Plant Breeders, Inc. | Y (3) | WestBred 883 | Western Plant Breeders, Inc. | Western Plant Breeders, Inc. | Y | Y | (*) |
| WestBred 911 | Western Plant Breeders, Inc. | Y (*) | WestBred Laker | Western Plant Breeders, Inc. | Western Plant Breeders, Inc. | Y | Y | (*) |
| WestBred 936 | Western Plant Breeders, Inc. | Y | WestBred Turbo | Western Plant Breeders, Inc. | Western Plant Breeders, Inc. | Y | Y | (*) |
| WestBred Challenger | Western Plant Breeders, Inc. | Y (*) | WHEAT, POLISH WI88-052-13 | WHEAT, POLISH T. M. Quinn | WHEAT, POLISH QK-77 | Y | Y | Y |
| Winmaster | Agripro Seeds, Inc. | Y (3) | Abilene Ag Service Inc. | Y | WHEAT, POULARD Bredemeyer Bros. | Y | Y | Y |
| WinTex | Bredemeyer Bros. | Y (3) | Agripro Seeds, Inc. | Y | Memdu | Y | Y | Y |
| Wrangler | Colorado State University | Y (3) | Colorado State University | Y | WHEAT, SPELT GR 900 | Y | Y | Y |
| Yuma | Northrup King Company Western Plant Breeders, Inc. | Y (3) | WHEATGRASS NewHy | WHEATGRASS NewHy | WHEATGRASS NewHy | Y | Y | Y |
| WHEAT, DURUM Aldura | Winnipeg Foundation | Y (3) | Y | The Ohio State University Research Foundation | Y (2) | Y | Y | Y |
| Aruba | World Wide Wheat L.L.C. | Y (3) | Y | USDA-ARS, Utah Agricultural Experiment Station, USDA-SCS | Y | Y | Y | Y |
| Ben | Western Plant Breeders, Inc. | Y (3) | Y | W. Atlee Burpee Company | W. Atlee Burpee Company | Y | Y | Y |
| Bravadur | NDSU Research Foundation | Y (3) | Y | | | | | |
| Cortez | World Wide Wheat L.L.C. | Y (3) | Y | | | | | |

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through April 13, 1998)

TITLE V 1994
(GEN.) PVPA

APPLICANT

KIND
VARIETY

APPLICANT

KIND
VARIETY

ZINNIA
Red Lollipop

W. Atlee Burpee Company

(*) No limit to the number of generations of certified seed beyond breeders seed.

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Items of Interest in Seed Control--Spring 1998

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